CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 26	Huntington Park (Los Angeles, P. O.), Cal.	July 22
July 28	Pelham Manor, N. Y.	July 22
July 30	Galveston, Tex. Adv. July 8 to 22	July 8

SEWERS

July 29	Detroit, Mich.	July 22
July 30	Dartmouth, N. S.	July 22
July 30	St. George, S. I., N. Y.	July 15
July 30	South Beach, S. I., N. Y. Adv. July 22	July 22
Aug. 2	Pontiac, Mich.	July 1
Aug. 3	Kilbourn, Wis.	July 22
Aug. 5	Pine Island, Minn.	July 22
Aug. 10	St. Louis, Mo.	July 22
Aug. 11	Joliette, Que.	July 22

BRIDGES

July 26	Port Dover, Ont.	July 22
July 27	Romney, W. Va.	July 22
July 28	Vintondale, Pa.	July 15
July 29	Concord, N. H.	July 29
July 29	Herkimer, N. Y. Adv. July 15 and 22.	July 22
July 30	Banff, Alta.	July 8
July 30	Brinson, Ga.	July 22
July 31	Critz, Va.	July 22
Aug. 2	Florence, Ariz. Adv. July 15 and 22	July 15
Aug. 3	Morgan, Ga.	July 15
Aug. 4	Duboistown, Pa.	July 15
Aug. 6	Dublin, Ga.	July 22
Aug. 17	Rochester, N. Y. Adv. July 22.	July 22
Aug. 20	Bristol, Conn.	July 15
Aug. 23	Claxton, Ga.	July 22

STREETS AND ROADS

July 24	Ironton, O.	July 15
July 25	Ohio	July 1
July 25	Swan River, Man.	July 15
July 26	Missouri	July 15
July 26	Indiana	July 15
July 26	Long Island City, N. Y.	July 22
July 26	Pittsburgh, Pa.	July 22
July 26	Framingham, Mass.	July 22
July 26	Miami Beach, Fla.	July 22
July 26	Winfield, W. Va.	July 22
July 27	Montreal, Que.	July 22
July 27	Ft. Madison, Ia.	July 15
July 27	Michigan	July 15
July 27	St. Joseph, Mich.	July 15
July 27	Chester, Pa. Adv. July 22.	July 22
July 28	Stamford, Conn.	July 22
July 28	Bastrop, Tex.	July 22
July 28	Indiana	July 15
July 28	Griffin, Ga.	July 15
July 28	Missouri	July 15
July 28	Freehold, N. J.	July 8
July 28	Portland Me.	July 15
July 28	Huntington, W. Va.	July 22
July 28	Baltimore Md.	July 22
July 29	Bolivar Mo.	July 15
July 29	New York, N. Y.	July 22
July 29	Lake City, Mich.	July 15
July 30	Missouri	July 15
July 30	Clearfield, Pa.	July 15
July 30	Davidson, Sask.	July 8
July 30	Gibbstown, N. J. Adv. July 22.	July 22
July 30	Nova Scotia	July 22
July 30	Michigan	July 22
July 31	Columbus Ind.	July 15
July 31	Missouri	July 22
July 31	New Mexico	July 22
Aug. 2	Covington, Tenn. Adv. July 22.	July 22
Aug. 2	Sabetha, Kan.	July 22
Aug. 2	Baltimore, Md. Adv. July 22.	July 22
Aug. 2	Portland, Ore.	July 22
Aug. 2	Olympia, Wash.	July 22
Aug. 2	Salt Lake City, Utah	July 22
Aug. 2	Greenfield, Ind.	July 22
Aug. 3	Walker, Minn.	July 22
Aug. 3	Columbus, O.	July 22
Aug. 3	Grosse Pointe Park (Detroit P. O.), Mich.	July 15
Aug. 3	South Dakota	July 22
Aug. 4	South Dakota	July 22
Aug. 5	Ft. Myers, Fla.	July 8
Aug. 5	Spencer, W. Va.	July 22
Aug. 6	South Dakota	July 22
Aug. 6	Logan, W. Va.	July 22
Aug. 9	South Pasadena, Cal.	July 22
Aug. 10	St. Louis, Mo.	July 22
Aug. 14	Charleston, W. Va. Adv. July 22.	July 22
Aug. 14	Opelousas, La. Adv. July 15 and 22	July 15
Aug. 20	Amarillo, Tex. Adv. July 22.	July 22

EXCAVATION AND DREDGING

July 27	Le Mars, Ia.	July 8
July 27	Ft. Madison, Ia. Adv. July 15 and 22	July 15
July 31	Madisonville, Ky. Adv. July 22	July 22
Aug. 2	Waterloo, Ia.	July 22
Aug. 3	Sioux City, Ia.	July 22
Aug. 4	Marengo, Ia.	July 8
Aug. 7	Mt. Carmel, Ill.	July 22

INDUSTRIAL WORKS

July 25	Fargo, N. D.	July 8
July 30	East Cleveland (Cleveland P. O.), O.	July 22
July 30	Cleveland, O.	July 22
Aug. 1	Cambridge, Mass.	July 8
Aug. 1	Ft. Williams, Ont.	July 22
Aug. 3	Cleveland, O.	July 22
Aug. 15	Port Arthur, Ont.	July 22
Sept. 1	Hutchinson, Kan.	Feb. 19

BUILDINGS

July 24	Wallingford, Conn.	July 15
July 25	Liberty Center, Ia.	June 24
July 26	Lankin, N. D.	July 8
July 26	Jeannette, Pa.	July 15
July 26	Savannah, Ga.	July 22
July 26	Waterbury, Conn.	July 22
July 26	Upsala, Minn.	July 22
July 27	Bismarck, N. D.	July 22
July 27	Tomah, Wis.	July 22
July 27	Toms River, N. J. Adv. July 15 and 22	July 15
July 28	Camden, N. J.	July 22
July 28	Lower Chichester (Marcus Hook P. O.), Pa.	July 22
July 29	Montreal, Que.	July 22
July 29	Halifax, N. S.	July 15
July 29	New Bedford Mass.	July 22
July 29	Columbia, Mo.	July 22
July 30	Oakes, N. D.	July 8
July 30	Erie, Pa.	July 22
July 30	East Cleveland (Cleveland, P. O.), O.	July 22
July 30	New York, N. Y.	July 22
July 30	New Wilmington, Pa.	July 22
July 31	Miniota, Man.	July 15
Aug. 1	Jamestown, N. D.	July 8
Aug. 1	Anderson, S. C.	July 15
Aug. 1	Baltimore, Md.	July 8
Aug. 2	Charleroi, Pa.	July 22
Aug. 2	Salina, Kan.	June 17
Aug. 2	Media, Pa.	July 8
Aug. 2	Minneapolis, Minn.	July 22
Aug. 2	Sharon, Pa.	July 22
Aug. 2	Oil City, Pa.	July 22
Aug. 2	Zanesville, O.	July 22
Aug. 3	McCalisburg, Ia.	July 15
Aug. 3	Bristol, Conn.	July 22
Aug. 5	Manchester, Conn.	July 22
Aug. 9	Oberon, N. D.	July 8
Aug. 10	Chicago, Ill.	July 15
Aug. 19	Prospect, O.	July 22
Aug. 15	Montreal, Que.	July 22
Aug. 16	Sioux City, Ia.	June 17
Aug. 21	London, Ont.	July 22

FEDERAL GOVERNMENT WORK

July 24	Dredging — New York, N. Y.	June 24
July 26	Road Work—Arizona	July 22
July 27	Surface Drainage System, etc.—Galveston, Tex.	July 8
July 28	Remodeling Post Office and Customhouse—Fall River, Mass.	July 8
July 28	Electric Traveling Cranes—Spec. 4239—Wash., D. C. Adv. July 15 and 22	July 15
July 28	Extending Workroom—Chattanooga, Tenn.	July 8
July 28	Boiler and Piping — Spec. 4242—Wash., D. C.	July 22
July 28	Paint and Oil Storehouse—Spec. 4222—Norfolk, Va.	July 22
July 29	Remodeling Customhouse and Post Office—Astoria, Ore.	July 8
July 30	Widening and Deepening — New Orleans, La. Adv. July 1 to 22	July 1
July 30	Remodeling Post Office—Battle Creek, Mich.	July 8
July 30	Superstructure — Wash., D. C.	July 8
Aug. 2	Lumber, etc.—Wash, D. C.	July 22
Aug. 4	Remodeling Post Office — Augusta, Me.	July 15
Aug. 5	Remodeling Post Office — Jersey City, N. J. Adv. July 22	July 22
Aug. 6	Riprap—Boston, Mass.	July 22
Aug. 11	Temporary Storehouse — Spec. 4229—Pearl Harbor, H. T.	July 8
Aug. 11	Tracks—Spec. 4196—South Boston, Mass.	July 22
Aug. 11	Electric Underground Distributing System — Spec. 4240—Hampton Roads, Va.	July 22
Aug. 11	Boiler and Stokers—Spec. 4124—Portsmouth, N. H.	July 22
Aug. 11	Harbor Development—Spec. 4136—Great Lakes, Ill. Adv. July 15 and 22.	July 22
Aug. 16	Diversion Dam—Florence, Ariz.	July 15
Aug. 18	Pier — Spec. 4165 — Guantanamo Cuba	July 22
Aug. 24	Canal—Caldwell, Idaho	July 15

MISCELLANEOUS

July 23	Steam Pump — Trenton, N. J.	July 8
July 25	Incinerator—Chatham, Ont.	July 15
July 26	Paving Materials—St. Paul, Minn.	July 22
July 26	Equipment—Detroit, Mich.	July 22
July 26	Lake—Pittsburgh, Pa.	July 22
July 29	Dam—Inlet, N. Y.	July 8
July 29	Diesel Engine, Centrifugal Pump, etc.—San Benito, Tex.	July 22
Aug. 5	Wharf—Ottawa, Ont.	July 22
Aug. 7	Pier and Transit Sheds — Vancouver, B. C.	July 1
Aug. 15	Motor Driven Pump, Oil Switches, Air Compressor, etc.—Florence, Wis.	July 22

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Cambridge—City having preliminary plans made for filtration plant. About $600,000. Johnson & Benham, 150 Nassau St., New York City, engrs.

N. Y., Freeport—Village plans to improve waterworks system. About $15,000.

Waterworks (Continued)

N. J., Lambertville—City Com. plans to install water supply system in Cottage Hill section. About $50,000. T. G. Kitchen, 42 North Union St., engr.

Va., Norfolk—City having plans prepared by W. H. Taylor, 3rd, dir. Bd. Pub. Wks., for doubling capacity of present waterworks system. About $4,000,000.

W. Va., Shinnston — City plans to build 100,000 gal. filter plant, pump station and distributing system. About $75,000. Roberts Eng. Co., Charleston, engrs.

O., Wauseon—City retained Clark Eng. Co., engrs., 1047 Spitzer Bldg., Toledo, to make preliminary surveys and submit estimates for obtaining adequate water supply system.

Mich., Bay City—City having preliminary plans prepared by Frazier-Elms-Shael Co., engrs., 1223 illuminating Bldg., Cleveland, O., for improvements to waterworks system to include new filtration plant and reservoir and changing pumping system. About $2,000,000.

Kan., Burns—City election Aug. 23, to vote on $20,000 bonds to enlarge waterworks system.

Kan., Minneola—City voted $45,000 bonds to improve waterworks system. Engineer not selected.

N. S., Halifax — City Council plans to build extension to waterworks system. About $150,000.

BIDS DESIRED

Cal., Huntington Park (Los Angeles P. O.)—Until July 26, by J. T. Duckett, city clk., building waterworks system, involving (a) furnishing and laying 22,000 ft. 6-14 in. steel riveted pipe, together with all specials, (b) furnishing material and building 1,000,000 gal. rein.-con. rectangular reservoir, (c) pumping plants, including 2 deep well pumps and direct connected motors, 2 turbine booster pumps, etc., (d) furnishing labor for building concrete foundations and 2 pump houses, (e) furnishing material and labor for building 50,000 gal. steel tank on 100 ft. steel tower, (f) furnishing 30,000 ft. 4-6 in. casing, 2,000 ft. 2 in. SS pipe, etc. Bonds for $160,000 voted for project. Noted March 4.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Tonawanda**—City let contract building filtration plant, to Roberts Filtration Co., Phila. About $200,000. Noted April 15.

★**Mich., Dearborn**—Village let contract frunishing labor and material building watermain extensions, involving 7,629 ft. 6-18 in. iron pipe, fire hydrants and valves, to T. C. Brooks & Son, Jackson. $34,113. Noted July 15.

★**Mich., Pontiac**—City let contract furnishing labor for excavating and laying 5,870 ft. 48 in. steel pipe for pressure pipe line to proposed filtration plant, to W. E. Hayes, Jefferson and Bellevue Aves., Detroit. $53,912. Noted July 15.

BRIDGES

★**Kan., Paola**—City let general contract improving waterworks system, to Chanute Constr. Co., Chanute, $46,420; filters, to Pittsburgh Filter Co., 429 Rialto Bldg., Kansas City, Mo., $10,900; pumps, to Worthington Pump & Machine Co., 824 Scarritt Bldg., Kansas City, Mo., $14,690. Noted June 17.

Sewers

PROPOSED WORK

Me., Portland—City plans to build sewers in Ocean Ave. and Read St., cost $35,000; also Fall Brook Branch Sewer, Sect. 4 of East Side Intercepting System, $40,000. E. M. Hunt, city engr.

Pa., Williamsport—R. C. Houck, city clk., received no bids July 14, building sewers in Boyd, Seth and Penn Sts. Work will be probably done by day labor. Noted July 8.

Mich., Monroe—City voted $250,000 bonds to build sewer extensions in southern and western districts, vitr. crock and brick. L. A. Sturn, Monroe, engr.

Wis., Amery—City rejected bids received July 12, building sanitary and storm sewers in various streets. About $37,000. Work will be readvertised. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr. Noted July 1.

Ia., Woodward—City rejected bids building sewage disposal plant. About $25,000. Work postponed. M. I. Evinger, Davidson Bldg., Des Moines, engr.

S. D., Woonsocket—Sanborn Co. plans to expend about $1,000,000 for drainage system. C. Allen, aud.

N. S., Halifax — City Council plans to build sewers in various streets. About $200,000.

Que., Westmount—See "Streets & Roads".

BIDS DESIRED

N. Y., Pelham Manor—Until July 28, by Bd. Trustees, Village Hall, building storm water drains and sanitary sewers; advertised in this issue.

N. Y., S. I., South Beach—Until July 30, by C. D. Van Name, pres, Richmond Boro., St. George, building large system of sewers, here; advertised in this issue

Mich., Detroit—Until July 29, by Dept. Pub. Wks., furnishing labor and material (except iron manhole rings and covers), building 5,723 ft. Coventry Blvd. Arm in Coventry Blvd., Remington and Spence Aves. from Seven Mile Rd. to Winchester Ave., 4-7 ft. cylinder, etc.; 2,196 ft. John R St. Arm in John R. St. from Seven Mile Rd. to Margaret Ave., 4-5 ft. 6 in. cylinder; 2,612 ft. Charleston Ave. Arm from Seven Mile Rd. south to alley south of Savannah Ave., 3-5 ft. cylinder; 184 ft. Harper Ave., Sect. 3, uncompleted portion in Gratiot near Georgia Aves., 5 ft. cylinder; 2,410 ft. Lateral 3,173 between 12th, Hamilton, Burlingame and Webb Aves., 12-24 in.; 1,665 ft. Lateral 3,296 between Cardoni, Russel, Swift and Nevada Aves., 12-24 in.; 2,384 ft. Lateral 3,297 between Russel, Hull, Swift and Nevada Aves. 12-24 in.; 995 ft. Lateral 3,302 between Vinton, Raymond, Georgia and Edgewood Aves., 12-15 in.; 1,080 ft. Lateral 3,304 between Fisher, Crane, Georgia and Marcus Sts., 12-15 in.; furnishing and installing for operation one 8 in. and one 10 in. vertical centrifugal motor driven pumps and one 25-30 hp. motor for 8 in. and one 40 hp. motor for 10 in. pump for Six Mile Rd. Lateral sewers and sizes 24 in. or under to be vitr. crock, other sizes to be brick, concrete, segmental block or rein.-con. pipe. C. W. Hubbell, city engr. Noted July 1 and 15.

Wis., Kilbourn—Until Aug. 3, by A. W. Leuttgerodt, village clk., for 2,795 ft. 2½ x 6 ft. sand rock sewer tunneling, furnishing and laying 818 ft. 10 in. outfall sewer and 1,600 ft. 5-8 in. sewer laterals. W. G. Kirchoffer, 31 Vroman Blk., Madison, engr. Noted June 24.

Minn., Pine Island—Until Aug. 5, by H. H. Billings, city clk., building Dist. Sewer 1, involving 2,969 lin.ft. 8-15 in. pipe, laterals Dist. 1, 13,224 lin.ft. 8-10 in., Dist. Sewer 2, 1,909 lin.ft. 8-15 in. laterals, Dist. 2, 3,441 lin.ft. 8-10 in. About $80,000. J. F. Druar, 514 Globe Bldg., St. Paul, engr. Noted May 27.

N. S., Dartmouth—Until July 30, by A. Elliott, town clk., building 4,800 ft. sewers in Elmwood Ave., Windmill Rd. and Hester St., involving 3,000 cu.yd. earth and 3,800 cu.yd. rock trenching. About $28,800. A. Nichols, supt. of streets.

Que., Joliette—Until Aug. 11, by A. L. Marselais, secy. treas., building 2,115 ft. 48 in. sewers in main streets. J. A. Martin, 80 Manseau St., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates Award of Contract)

★**Mass., Lynn**—City let contract building vitr. pipe sewer in Market St. to A. Cefalo, 316 Belgrade Ave., Roslindale, $73,651.

★**Conn., New Haven**—City let contract building 6,000 ft. sewer in Westville Sect. to Dwyer & Mannix, 333 Shelton Ave., $31,365.

N. Y., Brooklyn—E. Riegelmann, boro. pres., received lowest 3 bids July 14, building sewer in Chester Pl., Hegeman St., Lott and Hegeman Aves., from Murphy Bros., $26,640; J. Jennings, Belle Harbor, $28,300; A. Ferris, $28,508.

O., Cleveland—City received bid June 24, building 2,600 ft. of 3-7 ft. circular brick sewer in Central Ave. from East 14th to East 30th Sts., from A. Marra, Illuminating Bldg., $80,401. Noted June 17.

Mich., Detroit—City received bids furnishing labor and material building (a) Oakland Ave. Sewer Arm, (b) Lycaste Ave. Sewer, (c) Lateral 3,298, (d) Lateral 3,299, (e) Lateral 3,301, (f) Lateral 3,305, from J. Porath, 23 McGraw Bldg., (a) $133,880; Lennane & McIlvenna, 1205 Book Bldg., (a) $132,960, (b) $89,990; J. Winterbottom, Penobscot Bldg., (a) $120,740; G. R. Cook, 1260 Penobscot Bldg., (b) $87,700; Oakwood Constr. Co., 165 Fort Blvd., (c) $48,213, (d) $54,270; Western Constr. Co., 1208 Ford Bldg., (c) $36,274, (d) $36,635, (f) $2,418; N. Mancini, 580 Concord Ave., (e) $8,200, (f) $8,200; Haynes Constr. Co., 70 Davenport St., (f) $3,280. Noted July 1 and 15.

Mich., Detroit—City received bids trenching, backfilling and laying vitr. crock Lateral Sewer (a) 3,223, (b) 3,292, (c) 3,293, (d) 3,294, from N. Mancinni, 580 Concord Ave., (a) $4,700; Walker & Teetart, Chamber of Commerce Bldg., (a) $3,7[illegible] (d) $17,075; M. Dellomaratoo, 400 Penobscot Bldg., (a) $10,672; W. Blanck & [illegible] 827 Ford Bldg., (b) $61,609 (c) $93,7[illegible] Oakwood Constr. Co., 165 Fort Blvd., [illegible] $81,529, (c) $98,631; Langely & Bart[illegible] 400 Penobscot Bldg., (d) $12,712; Det[illegible] Contg. Co., 827 Ford Bldg., (d) $16,[illegible] Noted June 24.

★**Wis., Waterloo** — Village let contra[illegible] building storm sewers in various streets [illegible] Gray-Robinson Constr. Co., Manitowo[illegible] $62,309. Noted July 1.

★**Ore., Portland** — See "Streets a[illegible] Roads."

Bridges

PROPOSED WORK

Pa., Scranton—City plans to build 100 [illegible] bridge, 30 ft. wide, on Harrison Ave. About $90,000. W. A. Schunk, city engr.

S. C., Orangeburg—Orangeburg Co. plans to expend $300,000 to build bridges.

O., Youngstown—City plans to build 3,000 ft. bridge, 100 ft. wide, to replace present Division St. bridge, over Mahoning River, to Briar Hill and Carnegie Steel Companies. About $1,000,000. Cost to be borne by city, railroad and steel companies.

Ind., Terre Haute—Comrs. Vigo Co. plan to build steel or concrete bridge, over Wabash River, at Derkees Ferry. About $294,000. Engineer not selected.

Missouri—State Highway Bd., Monticello, received no bids July 9, building Rodefer Bridge, on La Belle-Lewistown Rd., Federal Aid Project 68, Lewis Co., cost $2,934, also two 20 ft. rein.-con. slab bridges, one 24 ft. rein.-con. deck girder superstructure, one 14 ft. rein.-con. skew slab bridge, 7th St. Bridge, over Canton Drainage Ditch, in Canton, and Balschlett Bridge, over Wyaconda River, all to have 18 ft. clear roadway, on Canton-La Grange Rd., Federal Aid Project 38, $1,495, $2,004, $3,526, $1,709, $11,501 and $15,134 respectively. Noted July 1.

Tex., Cooper—Delta Co. rejected bids received July 2, building rein.-con. and steel bridges on Highway 39. Work will probably be readvertised soon. I. B. Lane, co. judge. Cocke & Nagle, co. engrs. Noted July 15.

N. M., Abiquiu—State Highway Dept., Capitol Bldg., Santa Fe., received no bids July 2, building Chama Bridge, 12 mi. north of here. L. A. Gillett, state highway engr. Noted June 24.

Ont., Brockville—See "Streets and Roads."

Ont., Pt. Stanley—City Council having plans prepared by A. Lamb, engr., Toronto, and soon receives bids building swing bridge. About $70,000.

BIDS DESIRED

N. H., Concord—Until July 29, by State Highway Dept., building 1,000 ft. rein.-con. highway bridge over Merrimac River. F. E. Everett, state highway comr.

N. Y., Herkimer—Until July 29, by Town Bds. of Fairfield and Herkimer and E. J. Beckingham, clk., Herkimer, building rein.-con. arch bridge over West Canada Creek and crossing over tracks of Adirondacks Div. of New York Central R.R., with approaches and appurtenant structures, at Dempster, 3 mi. north of here; advertised in this issue. Noted May 20.

N. Y., Rochester—Until Aug. 17, by E. S. Walsh, supt. bd. pub. wks., Capitol, Albany, completing Court St. approach at barge canal terminal, here; advertised in this issue.

Va., Critz—Until July 31, by State Highway Comn., Richmond, building 67½ ft. concrete bridge, 16 ft. roadway, 2 mi. from here. G. P. Coleman, state highway comr.

W. Va., Romney — Until July 27, by Comrs. Hampshire Co., building steel stiffener truss and new plank floor on 310 ft. suspension bridge over South Branch, Potomac River, between here and Springfield. C. W. Haines, clk.

Ga., Brinson—Until July 30, by Bd. Comrs. Rds. and Revenues, Decatur Co., (Brinbridge) building rein.-con. deck girder bridge over Spring Creek, here, Federal Aid Project 156, State Aid Project S-2-5. Work involves 316 cu.yd. Class "A" and 318.5 cu.yd. Class "B" concrete, 75,492 lb. reinforcing steel, 458.6 sq.yd. Kentucky rock asphalt, 10 cu.yd. rock and 200 cu.yd. wet excav., etc., R. G. Hartfield, clk.

Ga., Claxton—Until Aug. 23, by Bd. Comrs. Rds. and Revenues, Evans Co., building 168 ft. bridge, 16 ft. wide, over Canoochee River, 7 mi. from here. State Aid Project S-1-7, (a) rein.-con. (b) concrete and steel; (a) involves 304.11 cu.yd.

Bridges (Continued)

Class "A" and 150.4 cu.yd. Class "B" concrete, 45,149 lb. reinforcing steel, 130 cu.yd. dry, 100 cu.yd. rock and 160 cu.yd. wet excav., 298 sq.yd. Kentucky rock asphalt. (b) involves 306.8 cu.yd. Class "B" concrete, 16,120 lb. reinforcing steel, 16,120 lb. structural steel, 12,960 ft. lumber, 303 cu.yd. dry and 392 cu.yd. wet excav.

Ga., Dublin—Until Aug. 6, by Bd. Comrs. Rds. and Revenues, Laurens Co., building 8 rein.-con. bridges on Federal Aid Project 143, Route 19 of State Aid System. Work involves 5.62 acres clearing and 0.08 acres grubbing, 828 cu.yd. dry excav., 130,908 lb. reinforcing steel, 1,080.14 cu.yd. Class "A" and 484.28 cu.yd. Class "B" concrete; also 111.4 cu.yd. Class "B" concrete (if necessary). E. N. Parker, div. engr.

Ont., Port Dover—Until July 26, by E. H. Darling, engr., Home Bank Bldg., Hamilton, constructing substructure for 90 ft. bascule bridge on concrete abutments, over Lynne River, 25 ft. wide, for Norfolk Co. (Limcoe), involving 580 cu.yd. rein.-con. About $35,000. Noted July 8.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., New York—Dept. Plant & Structures, Municipal Bldg., received bids July 15, building Eastchester Bridge over Eastchester Creek, from Lupfer, Remick Co., Ellicott Sq., Buffalo, $501,500; P. T. Cox, 154 Nassau St., $513,500. Noted July 8.

★**Pa., Scranton**—Comrs. Lackawanna Co. let contract building one 20 ft. bridge in Scott Twp., one 90 ft. in Benton Twp., one 160 ft. in Spring Brook Twp. and one 80 ft. in Greenfield Twp., all 18 ft. wide, rein.-con., to E. Weiss, Scranton. About $80,000.

★**N. C., Winston-Salem**—City and Forsyth Co. let contract building 110 ft. rein.-con. bridge, 34 ft. wide, with two 8 ft. walks, over Peters Creek, to Luten Bridge Co., 405 East 4th Ave., Knoxville, Tenn. About $57,700.

★**Ia., Clinton**—Clinton Co. let contract building 2 concrete and steel truss bridges to J. R. Kane, Charlotte. About $32,000.

★**N. B., Hartland**—Provincial Government, Fredericton, let contract building 6 concrete piers and 2 abutments, on St. John River, also transferring present wooden spans of old bridge (with wood crib piers) to new substructure, to New Brunswick Contg. and Bldg. Co., St. John. About $188,750.

Streets and Roads

PROPOSED WORK

Massachusetts—State Highway Comn., Boston, rejected only bid received July 6, paving 5,340 ft. state highway, concrete, East Brookfield. About $45,000. Noted July 1.

Mass., Holyoke—City plans to improve Mountain Rd. to Easthampton, waterbound macadam. About $50,000. T. J. McCarthy, city engr.

Mass., Pittsfield—City plans to build concrete sidewalks on various streets. About $25,000.

Pennsylvania—State Highway Dept., Harrisburg, rejected bids June 15 paving Route 46, West Providence and Hopewell Twps., Bedford Co.; Route 65, Shippensville Boro., Clarion Co.; Route 105, Chapman Twp. and Renovo Boro., Clinton Co.; Route 34, East Pennsboro Twp. and Camp Hill Boro., Cumberland Co.; Route 64, Brookville Boro., Jefferson Co.; Route 4, Salem Twp., Luzerne Co.; Route 21, Jackson, Coogan and Lewis Twps., Lycoming Co.; Route 196, Richmond and Tioga Twps., Tioga and Mansfield Boros., Tioga Co.; Route 233, Victory and Sandy Creek Twps., Venango Co.; Route 68, Derry Twp., also Route 118, Arona Boro., Westmoreland Co. Noted July 24.

Pennsylvania—State Highway Dept., Harrisburg, rejected bids June 16, paving Route 46, Hopewell Twp., Bedford Co.; Route 204, Darlington Twp., Darlington Boro., Beaver Co.; East Pennsboro Twp., West Fairview Boro., Cumberland Co.; Route 247, Perry and Jefferson Twps., Fayette Co.; Route 64, Union Twp., Corsica Boro., Jefferson and Clarion Counties; Route 161, Shamokin, Rockfeller and Upper Augusta Twps., Northumberland Co.; Route 31, Hamilton, Bloss and Liberty Twps., Liberty Boro., Tioga Co. and Jackson Twp., Lycoming Co.; Route 176, Gregg Twp., Union Co.; Route 208, Sandy Creek and French Creek Twps., Venango Co. Noted June 24.

Pa., Ebensburg—Bd. Supervs. Adams Twp. asked Cambria Co. to build 1½ mi. brick road from Geistown to South Fork, and 3 mi. brick road from Dunlo to Salix, county to pay ⅔ of cost and twp. ⅓. Bd. Supervs. Croyle Twp. asks approval for building 1 mi. brick or concrete road from Lovett to Schoolhouse 6, 2 mi. from Lambs Bridge to Brownstown Rd. toward Wilmore, and 2 mi. from Summerhill to W. Penn Highway. Total cost, $500,000. H. F. Dorr, Trust Bldg., engr.

W. Va., Madison—Scott Dist. Boone Co. voted $142,000 bonds and soon receives bids grading 12 mi. road. J. P. Blundon, co. engr.

W. Va., Madison—Boone Co. election Aug. 3, to vote on $7,000 bonds to grade road in Peyton Dist. from Peyton to top Dowdy Mountain. E. Nelson, co. clk.

N. C., Rutherfordton—Rutherford Co. plans to build 4 mi. Rutherford-Forest City Rd., concrete. About $150,000. W. S. Fallis, c/o State Highway Comn., Raleigh.

N. C., Winston-Salem—Forsyth Co. plans to rebuild and resurface with tarvia, 6 mi. Louisville Rd., 16 ft. wide, macadam. About $100,000. Work will probably be done by day labor.

S. C., Abbeville—Comrs. Abbeville Co. plan to build 10 mi. Abbeville-Due West Rd.; probably gravel. About $60,000. C. H. Moorefield, Columbia, engr.

S. C., Barnwell—Comrs. Barnwell Co. plan to build 10 mi. Barnwell-Williston Rd.; probably gravel. About $50,000. C. H. Moorefield, Columbia, engr.

S. C., Moncks Corner—Comrs. Berkeley Co. plan to hard surface 5 mi. Murrays Ferry Rd. About $175,000. C. H. Moorefield, Columbia, engr.

Ohio—State Highway Comn., Columbus, received no bids July 16, building roads in following counties:

Belmont Co., Sect. "H-1," Barnesville-Woodsfield Rd., 1.778 mi., grading, constructing drainage structures and paving with bituminous macadam.

Pickaway Co., Sect. "E," Columbus-Washington Ch. Rd., building rein.-con. bridge.

Portage Co., Sect. "T," Ravenna-Warren Rd., 1.99 mi., and other work in same county, grading, constructing bridges and culverts and paving with waterbound macadam.

Trumbull Co., Sect. "H," Niles-Ashtabula Rd., 5.14 mi., grading, constructing bridges and culverts and paving with bituminous macadam.

O., Akron—City plans to resurface with bituminous concrete 3,770 ft. South Maple St., 30 ft. wide, 6,685 ft. Carroll St., 30 ft. wide, 400 ft. Ellwood St., 30 ft., wide, 1,200 ft. Sumner St., 30 ft. wide, 900 ft. South Main St., 84 ft. wide, 450 ft. South Main St., 70 ft. wide, 630 ft. South Main St., 69 ft. wide, 2,050 ft. South Main St., 68 ft. wide, 3,200 ft. South Main St., 40 ft. wide, 3,730 ft. Wooster Ave., 36 ft. wide, 2,900 ft. West Exchange St., 36 ft. wide, 2,615 ft. Forge St., 33 ft. wide, 1,900 ft. Sweitzer Ave., 28 ft. wide, 870 ft. South Bway., 36 ft. wide, 900 ft. South High St., 36 ft. wide, 2,400 ft. Bowery St., 40 ft. wide, 700 ft. Bowery St., 36 ft. wide, 900 ft. North Summit St., 36 ft. wide, 1,200 ft. North Union St., 30 ft. wide, 500 ft. Perkins St., 36 ft. wide, 730 ft. College St., 36 ft. wide, 600 ft. Buchtel Ave., 36 ft. wide, 2,640 ft. Buchtel Ave., 36 ft. wide, 430 ft. Brown Ave., 20 ft. wide, 1,100 ft. Spicer St., 36 ft. wide, 1,600 ft. Spicer St., 28 ft. wide, 470 ft. Kent St., 30 ft. wide, 1,400 ft. Sherman St., 26 ft. wide, 300 ft. Case Ave., 30 ft. wide, 1,260 ft. Pine St., 24 ft. wide, 300 ft. Coburn St., 28 ft. wide, cost, $1,095,000; paving 200 ft. Bechtel Ave., 26 ft wide, 600 ft. Storr Ave., 26 ft wide, 600 ft. Canal St., 24 ft. wide, 800 ft. Dublin St., 26 ft. wide, 2,300 ft. River St., 24 ft. wide, 1,000 ft. Johnston St., 26 ft. wide, 1,300 ft. Sherman St., 26 ft. wide, 1,500 ft. Edison Ave., 26 ft. wide, 500 ft. Kling St., 26 ft. wide, 1,300 ft. Hereford Drive, 26 ft. wide, 800 ft. Wye Drive, 26 ft. wide, 500 ft. Highland Ave., 26 ft. wide, 400 ft. Overlook St., 26 ft. wide, 2,600 ft. Uhler Ave., 26 ft. wide, 600 ft. Weber Ave., 30 ft. wide, 200 ft. Charlotte St., 24 ft. wide, 1,000 ft. Beaver St., 26 ft. wide, 2,400 ft. Cole Ave., 26 ft. wide, 2,000 ft. West North St., 30 ft. wide, 300 ft. Wheeler Lane, 16 ft. wide, 450 ft. Price Pl., 16 ft. wide, 600 ft. Palmyra Ave., 26 ft. wide, 4,100 ft. Newton St., 26 ft. wide, 2,800 ft. Madison Ave., 26 ft. wide, 3,700 ft. Brown St., 30 ft. wide, 2,600 ft. Arlington St., 30 ft. wide, $999,000; grading and laying sidewalks on 900 ft. Crouse St., 50 ft. wide, 900 ft. Corley St., 40 ft. wide, 600 ft. 9th Ave., 45 ft. wide, 2,400 ft. Blaine Ave., 50 ft. wide, 1,600 ft. Thayer St., 45 ft. wide, 800 ft. Keeney Ave., 40 ft. wide, 1,700 ft. Fern St., 50 ft. wide, 1,400 Easter Ave., 50 ft. wide, 1,400 Lookout Ave., 50 ft. wide, 1,200 ft. Montrose Ave., 60 ft. wide, 1,200 ft. Zeller Ave., 60 ft. wide, 1,300 ft. Fairmount Ave., 65 ft. wide, 1,300 ft, Columbia Ave., 65 ft. wide, 1,600 Hickory St., 45 ft. wide, 700 ft. Chitty Ave., 45 ft. wide, 1,300 ft. Avon St., 50 ft. wide, 2,400 ft. Camden Ave., 50 ft. wide, 1,700 ft. Fouse Ave., 60 ft. wide, 2,400 ft. Raymond St., 50 ft. wide, 1,900 ft. Grace Av., 50 ft. wide, 1,200 ft. Liberty St., 50 ft. wide, 2,100 ft. Park Ave., 45 ft. wide, 4,600 ft. Bellows St., 60 ft. wide, 1,500 ft. Girard Ave., 45 ft. wide, 2,100 ft. Sherman St., 50 ft. wide, 1,600 ft. Atwood St., 45 ft. wide, 600 ft. Upland Ave., 45 ft. wide, 1,700 ft. Cole Av., 50 ft. wide, 2,000 ft. Cole and Currie Aves., 45 ft. wide, 1,600 ft. La Croix Ave., 45 ft. wide, 1,400 ft. Taylor St., 50 ft. wide, 1,200 ft. Laurel Ave., 45 ft. wide, 700 ft. Blanche Ave., 45 ft. wide, 500 ft. Fredericka Ave., 45 ft. wide, 1,500 ft. Parkdale Drive, 45 ft. wide, 1,200 ft. Mildred Ave., 40 ft wide, 1,000 ft. Ruth Ave., 40 ft. wide, 1,900 ft. Aberdeen St., 50 ft. wide, 1,900 ft. Carlysle St., 50 ft. wide, 1,500 ft. Bishop St. 50 ft. wide, 900 ft. Willow St., 50 ft. wide, 1,000 ft. Monroe St., 50 ft. wide, 500 ft Tyner St., 45 ft. wide, 500 ft. Thornton St. 40 ft. wide, 500 ft. Louisa St., 45 ft. wide, 500 ft. Voris St., 40 ft. wide, 500 ft. Lamparter St., 45 ft. 1,700 ft. Spicer St., 60 ft. wide., 5,200 ft. Lovers Lane, 60 ft. wide, 3,600 ft. Hammel St., 50 ft. wide, 900 ft Bettie St., 45 ft. wide, 1,300 ft. Clark St., 50 ft. wide, 500 ft. McGowan St., 35 ft wide, 500 ft. Carmichael St., 40 ft. wide, 900 ft. Champlain St., 50 ft. wide, 1,400 Alexander Ave., 50 ft. wide, 3,900 ft. Chittenden St., 50 ft. wide, 900 ft. Lucy St., 45 ft. wide, 900 ft. Robert St., 45 ft. wide, 900 Hart St., 45 ft. wide, 900 ft. Homestead St., 45 ft. wide, 2,400 ft. Fuller St., 50 ft. wide, 1,400 ft. Weeks St., 50 ft. wide, 1,800 ft. Kelly Av., 30-60 ft. wide, 1,300 ft Duane St., 45 ft. wide, 1,800 ft 7th Ave. 45 ft. wide, 1,600 ft. McKinley Ave., 40 ft. wide, 1,600 ft. Bittaker St., 50 ft. wide, 900 ft. 6th Ave., 50 ft. wide, $182,000.

Mich., Detroit—City soon receives bids furnishing labor and material for grading and paving with sheet asphalt on 8 in. concrete base, Berea or Medina curbstone, Green Ave. from Calahan to Ferndale Aves., 26 ft. wide, cost $28,830, also Ashland Ave. from Jefferson Ave. to Lots 270-299, 26 ft. wide, $11,860; paving with 1 course concrete, 2 x 6 in. retaining plank, alley between 12th, Wilson, Chicago and Boston Blvds., 20 ft. wide, $7,330. C. W. Hubbell, city engr.

Wisconsin—State Highway Dept., div. office 4, Citizens Natl. Bank Bldg., Grand Rapids, received no bids July 6, improving 5.28 mi. New Lisbon-Necedah Rd., Federal Aid Project 134, Juneau Co. Noted July 1.

Wisconsin—State Highway Dept., Madison rejected bid received July 7 grading and paving Lake to River Rd., Federal Aid Project 140, Iowa Co. Noted June 24.

Wis., Shorewood (Milwaukee P. O.)—Village received no bids July 12, paving Oakland and Maryland Aves. and 2 alleys, concrete. Work will be readvertised. F. W. Ullius, Jr., 1288 Murray Ave., engr. Noted July 8.

Kan., Leavenworth—Leavenworth Co. rejected bids received July 9, grading and building culverts on 4.416 mi. Fort to Fort Highway, Project 13-C, 18 ft. wide; 7.96 mi. Fort to Fort Highway, Federal Aid Project 52, 18 ft. wide. Work will be readvertised. L. C. Clark, Leavenworth, engr. Noted June 24.

Missouri—State Highway Dept., Jefferson City, plans to build 18.67 mi. Old Wire Rd., 24 ft. wide, Pulaski Co., involving 89,350 cu.yd. earth and 100 cu.yd. rock excav., 52,800 sq.yd. gravel surfacing, 200 cu.yd. borrow, one 24 ft. span bridge and culverts; 4 mi. Eureka Springs Rd. (Seligman Special Rd. Dist.), 24 ft. wide, Barry Co., 14,720 cu.yd. earth excav., 21,120 sq.yd. gravel surfacing and culverts; 15.7 mi. Natl. Old Trails Rd. (Calwood-Williamsburg Special Rd. Dist.), 24 ft. wide, Callaway Co., 83,309 lin.ft. grading, 26,400 sq.yd. gravel and 56,909 sq.yd. plain macadam surfacing; 16.76 mi. William Springs-Mountain View Rd., 24 ft. wide, Howell Co., 56,340 cu.yd. earth and 1,500 cu.yd. rock excav., 57,035 sq.yd. gravel surfacing, 1 bridge with two 30 ft. spans and colverts; 9 mi. Joplin-Sloam Springs Rd. (Anderson Special Rd. Dist.), 24 ft. wide, 27,000 cu.yd. earth excav., 22,440 sq.yd. gravel surfacing, 1 bridge with three 20 ft. spans and culverts; 6 mi. New Florence-McKittrick Special Rd. Dist.), 24 ft. wide, Montgomery Co., 24,000 cu.yd. earth excav., 32,288 sq.yd. plain macadam surfacing and culverts; 20 mi. Versailles-Linncreek Rd., 24 ft. wide, Morgan Co., 70,000 cu. yd. excav., 3% rock, 87,120 sq.yd. 9 in. and 18,480 sq.yd. 4 in. gravel surfacing, two 30 ft., one 40 ft., two 24 ft. and one 20 ft. span bridges, and culverts.

Mo., Clayton—St. Louis Co. received no bids June 22, paving 1.392 mi. Mason Rd., including necessary grading, 12 ft. wide, Telford macadam, cost $16,958; 2.123 mi. Olive St. Rd., 21 ft wide, 2 course concrete, $125,805. Noted June 17.

Mo., Monticello—Lewis Co. received no bids July 9, building 5.8 mi. North Canton-

Streets and Roads (Continued)

Monticello Rd., 24 ft. wide, Federal Aid Project 60, cost $80,580; 4.28 mi. La Belle-Monticello Rd., 24 ft. wide, Federal Aid Project 68, $42,636; 8.37 mi. Red Ball Route 24 ft. wide, Federal Aid Project 38; $85,828. Noted July 1.

Mo., St. Louis—City plans to resurface 4,500 ft. Cabanne Ave. from Union to Hamilton Aves., involving 18,000 sq.yd. bituminous macadam, cost $32,700; grade and curb 900 ft. Ester Ave. from Elizabeth to Wilson Aves., $7,250; pave Elizabeth Ave. from Sulpher to Bowman Aves., 3,800 sq. yd. brick, $41,600; miscellaneous alleys, 8,800 sq.yd. concrete and 2,000 sq.yd. brick, $26,000 and $6,750 respectively. W. W. Horner, City Hall, engr.

Tex., Bastrop—Bastrop Co. having plans prepared grading, surfacing and draining 8.8 mi. Highway 20 in Rd. Dist. 7 through Paige, involving 5 acres clearing and grubbing, 21,228 cu.yd. embankment borrowed, 16,029 cu.yd. gravel, 11,703 cu.yd. earth excav., 16,029 cu.yd. gravel 15,853 lb. reinforcing steel, 177.2 cu.yd. Class "C" concrete. About $52,367. A. F. Mitchell, Cameron, co. engr.

Tex., Benjamin—Knox Co. voted $100,000 bonds to build various roads, to include Highways 28 and 30. J. M. Morgan, co. judge.

Tex., Big Springs—Howard Co. voted $300,000 bonds to build roads. State Highway Comn. granted $125,000 Federal aid (not to exceed 50% of cost) for building Highway 1. S. A. Penix, co. judge.

Tex., Canadian—Hemphill Co. rejected bids received July 1, grading, surfacing and draining 14.44 mi. Highway 4, Federal Aid Project 158. Work will be readvertised. W. D. Fisher, co. judge. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs. Noted June 24.

Tex., Coleman—Coleman Co. completed surveys and having plans prepared grading, surfacing and building bridges on 22.5 mi. Highway 23 from here to Callahan Co., 16 ft. wide, involving 10 acres clearing and grubbing, 500 cu.yd. rein.-con., 3,150 lin.ft. concrete pavement, 2 complete low water bridges, 2,000 cu.yd. rock and 112,500 cu. yd. earth excav., etc. About $320,427. W. E. Dickerson, Coleman, co. engr.

Tex., Marlin—Falls Co. having plans prepared grading, draining, gravel surfacing and bituminous topping 7 mi. Highway 2 through Precinct 2, 16 ft. wide, involving 250 cu.yd. concrete, 42,000 cu.yd. earth excav. and 65,700 sq.yd. bituminous macadam. About $148,819. L. Goodrich, co. engr.

Tex., McKinney—Whitewright Dist., Collin Co. voted $60,000 bonds to build various roads. J. B. Crockett, McKinney, co. engr.

Tex., Nacogdoches—Nacogdoches Co. having plans prepared grading, gravel surfacing and draining 23.17 mi. Highway 21 from here to San Augustine Co. line, 16-ft. wide, involving 160 acres clearing and grubbing, 210,000 cu.yd. earth excav., 950 cu.yd. concrete, 46,340 cu.yd. gravel, 100,000 lb. reinforcing and 300,000 lb. fabric steel. About $288,144. Federal Government will appropriate $100,212 toward cost. L. Acker, co. engr.

Tex., San Antonio—Bexar Co. having plans prepared grading, surfacing and draining 6.17 mi. Highway 9, 16 ft. wide, involving 20 acres clearing and grubbing, 7,400 cu.yd. borrow and 7,860 cu.yd. earth excav., 57,955 sq.yd. 1 in. bituminous macadam, 4,930 lb. reinforcing steel, 18,100 cu.yd. gravel, 81.5 cu.yd. Class "A" and 62.9 cu.yd. Class "B" concrete. About $128,716. C. E. Hoff, co. engr.

Tex., Tyler—Smith Co. having plans prepared grading, gravel surfacing and draining 2.45 mi. Highway 37 from Lindale north, Federal Aid Project 197, 16 ft. wide, involving 18,000 cu.yd. earth excav., 273.2 cu.yd. Class "A" concrete, 5,056 cu.yd. gravel, 24,760 lb. structural steel, etc. About $45,116. D. K. Caldwell, Tyler, co. engr.

N. S., Halifax—City Council plans to pave various streets. About $300,000.

N. B., St. John—See "Buildings."

Que., South Hull—Town Council soon receives bids improving 14 mi. Eardley Rd. between Aylmer and Eardley, waterbound macadam. About $135,000. I. E. Vallee, Dept. Pub. Wks., Quebec, engr.

Que., Westmount—City voted $750,000 bonds to pave and build sidewalks, sewers, storage buildings and extend electric light and fire alarm systems. P. E. Jarman, city engr.

Ont., Brockville—City plans to pave 2 mi. various streets, 28-46 ft. wide, involving 30,000 sq.yd. asphalt or bitulithic, on concrete base. About $95,000. J. G. Mill, Brockville, engr.

Ont., Brockville—Leeds and Grenville Counties authorized the expending of $1,500,000 on gravel and macadam roads, also concrete and steel bridges. E. R. Blackwell, Brockville, supt.

Ont., Ottawa—City plans to build asphalt pavements on Albert St and resurface portion Somerset St., involving 9,000 sq.yd. asphalt and 5000 sq.yd. concrete base. About $37,000. A. F. Macallum, city engr.

Ont., Toronto—City plans to extend Teraulay St. 1¼ mi. and widen 1 mi. of same from 66 to 86 ft., involving wood block asphalt paving on concrete foundation. Work includes building street car lines. About $1,250,000. R. C. Harris, city engr.

BIDS DESIRED

Mass., Framingham—Until July 26, by Bd. Pub. Wks., paving Park and Pearl Sts., concrete and bituminous macadam. About $25,000. F. H. Clark, city engr.

Conn., Stamford—Until July 28, by Bd. Selectmen, grading and paving Hope St., involving 37,000 sq.yd. asphalt, concrete or bituminous concrete, 9,800 cu.yd. earth and 576 cu.yd. rock excav., 55,888 sq.yd. concrete and 500 sq.yd. 12 in. Telford base, 400 lin.-ft. rubble drain, 85 cu.yd. concrete, 1,250 ft. 12 in. and 1,555 ft 8 ft. 36 in. tile drain, 1 rein.-con. bridge, etc

N. Y., Long Island City—Until July 26, by M. E. Connolly, pres. Queens Boro., regulating grading, curbing and laying sidewalks on Central Ave. from Myrtle Ave. to point 117 ft. east of Cypress Hills Rd., 16th Ave. from Grand to Vandeventer Aves., North Jane St. from Vernon Ave. to terminus 368 ft. west, regulating and repaving with asphaltic concrete on macadam foundation, Laurel Hill Blvd. from Betts to Borden Aves., Rockaway Blvd. from Cronins Crossing to Park Ave., Atlantic Ave. from Nortons Creek to Long Island R.R., on concrete foundation, Corona Ave. from Louona to Colonial Aves., with sheet asphalt on concrete foundation Jamaica Ave. from Van Wyck Ave. to Grand St., regulating roadway for 30 ft. width and laying for 8 ft. width, both centrally located, a preliminary pavement of bituminous macadam on 104th Ave. from Farmers Blvd. to Hollis Ave.

N. Y., New York—Until July 29, by G. A. Whalen, comr. plant & structures, Municipal Bldg., building footwalk flooring on north footwalk of Williamsburg Bridge.

N. J., Gibbstown—Until July 30, by E. A. Allen, clk., Greenwich Twp., furnishing labor and material paving Repauno Ave., involving 1,893 sq.yd. rein.-con. and 533 cu.yd. excav.; advertised in this issue.

Pa., Chester—Until July 27, by City Council, paving Edgmont Ave., Crozer, Howard, Mowry, Sproul, Hayes, 8th, Ward, Palmer, 10th, 18th, 7th and 12th Sts. B. Newsome, clk.; advertised in this issue.

Pa., Pittsburgh—Until July 26, by city, improving roadways in Riverview Park, involving concrete and gravel paving, excavating, terra cotfa drains, etc., cost $82,600; grading, paving and curbing Baretto St. from Woodlawn Ave. to point 380 ft. southeast, sheet asphalt and block stone, concrete curbing, $14,000; repairing Henderson St. from Federal to Carrie St., blockstone on concrete foundation, new concrete curbing and resetting and dressing present sandstone curbing, $23,500. N. S. Sprague, city engr.

Pa., Pittsburgh—Until July 26, by city, grading, paving and curbing Woodville Ave. from Independent St. to Bankville Ave., asphalt, concrete curbing. About $67,000. Former bids rejected. Noted July 15.

Pa. Pittsburgh—Until July 26, by City Comptroller, repairing and rebuilding South Highland Ave. and Penn Ave. Bridges over Pennsylvania R.R. tracks. Work includes sheet asphalt paving, new reinforcing floor plates, etc. About $17,000 and $124,000 respectively.

Maryland—Until Aug. 2, by State Rds. Comn., 601 Garrett Bldg., Baltimore, building .44 mi. state highway through town of Cambridge, Contr. D-14; .3 mi. through town of Hurlock, Contr. D-21; .67 mi. through town of Taneytown, Contr. CI-30; .44 mi. through town of Sharptown, Contr. WI-12. J. N. Mackall, chn.; advertised in this issue.

Maryland—Until Aug. 2, by State Rds. Comn., 601 Garrett Bldg., Baltimore, paving .11 mi. Cathedral St. from Madison St. to Peabody Alley, sheet asphalt. Contr. BC-32. J. N. Mackall, chn.; advertised in this issue.

Maryland—Until July 28, by State Rds. Comn., 601 Garrett Bldg., Baltimore, building .19 mi. state highway through town of Snow Hill, Contr. WO-22; .31 mi. through town of Pocomoke, Contr. WO-21, and .56 mi. through town of Elkton, Contr. CE-31. J. N. Mackall, chn; advertised in this issue.

W. Va., Charleston—Until Aug. 14, by L. C. Massey, clk. Kanawha Co., building various roads in Cabin Creek Dist.; advertised in this issue.

W. Va., Huntington—Until July 28, by the Bd. City Comrs. grading, curbing and paving Norway Ave. from end of paving at entrance to Woodmere Burial Park, east to corporation line at Crumps Branch; Daulton Ave. from Minton to 20th Sts.; 3rd St. from 8th to 9th Aves. A. B. Maupin, city engr.

W. Va., Logan—Until Aug. 6, by Comrs. Logan Co. grading 4 mi. Logan-Huntington Turnpike. About $60,000. J. W. McClaren, Logan, engr.

W. Va., Spencer—Until Aug. 5, by Comrs. Roane Co. building cement concrete surface on 3 mi. Spencer-Walton Rd., Federal Aid Project 85, 16 ft. wide. W. A. Carpenter, clk. Noted Dec. 20, 1919.

W. Va., Winfield—Until July 26, by Comrs. Putnam Co., grading 2 mi. McLean Turnpike. About $25,000. J. S. Parkins, Paradise, engr.

Fla., Miami Beach—Until July 26, City Council, improving Highway Dist. 5, 28 ft. wide, Dist 6, 34 ft. wide, Dist 7, 32 ft wide, Dist. 8, 50 ft. wide, Dist. 9 10 ft wide and Dist 10, 35 ft. wide. Work includes grading and paving with broken stone and bituminous surface of sand and oil. J. F. Canova, clk.

Tenn., Covington—Until Aug. 2, by J. J. Green, mayor and aldermen, improving Liberty Ave., South Main and Maple Sts. rock asphalt and asphaltic concrete, Topeka surface. W. G. Daniel, city engr.; advertised in this issue.

O., Columbus—Until Aug. 3, by W. H. Duffy, dir. Pub. Serv., paving following streets:

Alley west of Delaware Ave., from 1st to 2nd Aves., 562 feet long, 20 feet wide; involving 1,220 sq.yd. grading, draining, laying water service and sewer connections and paving with brick or concrete, cost $5,524.

Alley north of Frambes Ave., from Waldeck to Indianola Aves., 627 feet long, 20 feet wide, grading, draining, laying water mains and sewer connections and paving with brick or concrete, $6,043.

Ludlow St., from Gay to Chestnut Sts., 1,388 feet long, 33 feet wide, 3,550 sq.yd grading, draining, laying water mains and sewer connections and paving with brick or asphalt, $16,582.

Pearl St., from Chittenden to 13th Aves., 707 feet long, 20 feet wide, grading, draining, laying water mains and sewer connections and paving with brick or asphalt, $4,367.

Alley west of Ohio Ave. from Mound to Fulton Sts., 390 feet long, 16 feet wide, grading, draining, laying water mains and sewer connections and paving with brick or concrete, $3,533.

Alley west of 17th St. from Bryden Alley to Rich St., 294 feet long, 15 feet wide, grading, draining, making sewer connections and paving with brick or concrete, $2,250.

Alley north of Vermont Pl., from alley west of Michigan Ave. to Perry St., 425 feet long, 16 feet wide, grading, draining, making sewer connections and paving with brick or concrete, $3,613. Noted June 10.

Indiana—Ely Bd. Co. Comrs. building roads in following counties: July 31, Vigo Co., Terre Haute, A. P. Wilson et al Rd., between Riley and Pierson Twps., gravel. C. M. Lee, aud.

Aug. 2, Jackson Co., Brownstone, J. F. Nichter et al Rd., Jackson Twp., involving 7,200 ft. gravel and 3,450 ft. concrete. A. Luedtke, aud.

Clark Co., Jeffersonville, 14,361 ft. Sects. D and E. J. S. Robertson Rd. T. L. Stoner, aud.

Clark Co., Jeffersonville, $38,589 ft. H. F. Schowe Rd., Union Twp.; 2.48 mi. F. H. School Rd., Silver Creek Twp.; 2.234 mi. W. H. Richardson Rd., Utica Twp.; 1.38 mi. W. W. Smith Rd., Owen Twp.; 8,066 ft. W. W. Bower Rd., all macadam. T. L. Stoner, aud.

Aug. 3, Montgomery Co., Crawfordsville, 9,366 ft. D. L. Miller et al Rd., Clark Twp.; 10,960 ft. G. Himes et al Rd., Scott and Union Twps.; 13,250 ft. W. Sutherlin et al Rd., Brown Twp., all gravel. W. McClelland, aud.

Warrick Co., Boonville, 10,953 ft. E. H. Mellen et al Rd. and 14,748 ft. Boonville and Degonia Rds., Boon Twp., macadam W. A. Campbell, aud.

Noble and Whitney Counties, Albion, 6,710 ft. F. Wakeman et al Rd. between Noble Twp., Noble Co., and Etna Twp., Whitney Co., gravel. H. C. Erwin, aud. Noble Co.

Noble Co., Albion, 2,712 ft. F. Wakeman et al Rd. between Washington and Noble Twps., gravel. H. C. Erwin, aud.

Streets and Roads (Continued)

Aug. 4, Shelby Co., Shelbyville, 8,050 ft. Whisker Rd., Shelby Twp., crushed stone. W. W. Leslie, aud.

Ind., Greenfield—Until Aug. 2, by Bd. Comrs. Hancock Co., grading, draining, building sewers and paving 4 gravel roads. C. Boone, co. engr.

Ind., Greenfield—Until Aug. 3, by Comrs. Hancock Co., grading, building sewers and paving with gravel, 2.75 mi. L. F. Richman Rd., Sugarcreek Twp. and 3 mi. N. H. Fry Rd., Center Twp. C. Boone, co. engr.

Michigan Until July 30, by State Highway Dept., Lansing, grading, draining and surfacing 1.12 mi. State Trunk Line Rd. 19-1 29 ft. wide, 13,098 sq.yd. concrete or bituminous concrete, 4,487 cu.yd. earth excav., etc.

Ill., Chicago—Bd. Local Impvts., 207 City Hall, receiving bids paving East 52nd St. from Cottage Grove Ave. to Drexel Blvd., involving 1,210 ft. concrete curb, 650 cu.yd. grading, 1,930 sq.yd. asphalt on 6 in. concrete, cost $11,500; North Lamon Ave. from Diversey St. to Oakdale Ave., 2,200 ft. concrete curb, 1,696 cu.yd. grading, 2,960 sq.yd. asphalt pavement on 6 in. concrete, etc., $21,500; George St. from Crawford to Springfield Aves. and Harding St. from Diversey to Wellington Sts., 3,840 ft. concrete curb, 3,254 cu.yd. grading, 6,040 sq. yd. asphalt on 6 in. concrete, 170 ft. 10 in. tile sewer, etc., $38,500; Dakin, Byron, Berenice and Grace Sts. from Austin Ave. to point west of Meade St. and Meade St. from Grace St. to Irving Pk. Blvd., 10,300 ft. concrete curb, 7,196 cu.yd. grading, 13,400 sq.yd. asphalt on 6 in. concrete, etc., $93,000; sections of Granville, Rosemont, Maplewood, Campbell and Artesian Aves., 11,800 ft. concrete curb., 800 cu.yd. grading, 17,700 sq.yd. asphalt pavement on 6 in. concrete, etc., $75,000; sections of Grace, Warwick, Waveland, Patterson, Lamon, La Vergne, Le Claire, Laramie, Lockwood and Long Aves., 42,600 ft. concrete curb, 18,800 cu.yd. grading, 58,600 sq.yd. asphalt pavement on 6 in. concrete, etc., $255,000; sections of Lowell, Kildare, Tripp, Keeler, Krona, Kelso, Kasson and Leland Sts., 11,500 ft. concrete curb, 7,740 cu.yd. grading, 16,000 sq.yd. asphalt pavement on 6 in. concrete, 670 ft. 10-12 in. tile sewer, etc., $76,000.

Minn., Walker—Until Aug. 3, by Cass Co., building 12 mi. Job 2004, from Pontoria to Longville, involving 124,858 cu.yd. excav., 1,200 cu.yd. loose rock, 14,820 cu.yd. overhaul, 800 cu.yd. hard ditch, 3,195 lin.ft. 12-24 in. portable culverts, 90 cu.yd. concrete, etc. About $45,000.

Minn., Walker—Until Aug. 3, by Cass Co., building 7 mi. Job 2,001, from Federal Aid Project 142, east to county line, involving 30 acres clearing and grubbing, 55,831 cu.yd. excav., 26,542 cu.yd. graveling and 7,000 cu.yd. clay surfacing, etc., cost $40,000; 7 mi. Federal Aid Project 142, State Rd. 6, 10 acres clearing and grubbing, 77,067 cu.yd. excav., 21,398 cu.yd. graveling, 70 cu.yd. concrete, etc., $50,000; 12 mi. Federal Aid Project 140, State Rd. 11, from Pine River to Longville, 69,279 cu.yd. excav., 40,413 cu.yd. graveling, 76 cu. yd. concrete, etc., $84,000. A. W. Moulster, Pine River, engr.

Kan., Sabetha—Until Aug. 2, by Comrs. Nemaha Co., improving 6¼ mi. Capital Highway. C. M. Brown, clk.

South Dakota—Until Aug. 6, by State Highway Comn., at Div. office, Aberdeen, grading and draining 16.46 mi. Mound City-Leola-Ipswich Highway, 36 ft. wide, McPherson Co., involving 66 cu.yd. solid rock, 418 cu.yd. structure and 598 cu.yd. loose rock excav., 303 lb. structural steel, 1,086 lin.ft. concrete or corrugated pipe culverts, 547 cu.yd. concrete and 36,540 lb. reinforcing steel for culverts, 84,215 cu.yd. common and 60,606 yd. sta. overhaul excav., about $89,000; 10.69 mi. Milbank-Webster Rd., 36 ft. wide, Roberts Co., 492 cu.yd. Class A, 46 cu.yd. Class B and 9 cu.yd. Class D concrete, 14 cu.yd. concrete flooring, 932 lin.ft. rein.-con. or corrugated pipe culverts, 65,061 cu.yd. excav., 716 cu.yd. structure and 84,977 cu.yd. sta. overhaul excav., 9,900 lb. structural and 39,147 lb. reinforcing steel, $82,000; 21.1 mi. Webster-Aberdeen-Mobridge Highway, 36 ft. wide, Brown Co., 136,719 cu.yd. excav., 538 cu.yd. structure and 264,682 yd. sta. overhaul excav., 1,738 lin.ft. rein.-con. or corrugated iron culverts, 26,188 lb. reinforcing steel, 296 cu.yd. Class A and 107 cu.yd. Class B concrete, etc., $121,000. F. S. Peck, Pierre, state highway engr.

South Dakota—Until Aug. 4, by State Highway Comn., Pierre, grading and draining 14.76 mi. Waterown-Hayti Rd., 36 ft. wide, Hamlin Co., involving 38,150 cu.yd. overhaul and 78,616 cu.yd. excav., 2018 lin.ft. rein.-con. or corrugated iron culverts, 2,184 lb. reinforcing steel, 18 cu.yd. Class A and 102 cu.yd. Class B concrete, etc., about $79,000; 12.94 mi. Gettysburg-Faulkton Rd., 36 ft. wide, Potter and Faulk Counties, 80 cu.yd. solid and 720 cu.yd. loose rock, 1306 lin.ft. rein.-con. or corrugated pipe culverts 53,220 cu.yd. overhaul and 75,967 cu.yd. excav., 7399 lb. reinforcing steel, 91 cu.yd. Class A and 102 cu.yd. Class B concrete, etc., $66,873. F. S. Peck, Pierre, state highway engr.

South Dakota—Until Aug. 3, by State Highway Comn., at div. office, Chamberlain, grading and draining 6.58 mi. Presho-Winner Rd., 36 ft. wide, Lyman and Tripp Counties, involving 79,537 cu.yd. overhaul and 59,000 cu.yd. excav., 560 lin.ft. rein.-con. or corrugated iron pipe culverts, 11,595 lb. reinforcing and 475 lb. structural steel, 190 cu.yd. Class A and 41 cu.yd. Class B concrete, etc., about $58,000; 9.1 mi. Chamberlain-Plankinton Rd., 36 ft. wide, Brule Co., 1,946 lin.ft. concrete or corrugated pipe, 323 cu.yd. concrete for culverts, 17,148 lb. reinforcing steel, 8880 yd. sta. overhaul and 63,364 cu.yd. excav., $66,700; 8.47 mi. Chamberlain-Fresno Rd., 36 ft. wide, Lyman and Brule Counties. F. S. Peck, Pierre, state highway engr.

South Dakota—Until Aug. 4, by State Highway Comn., Pierre, grading and draining 11.69 mi. Ft. Pierre-Philip Rd., 36 ft. wide, Stanley Co., Sect. A of Federal Aid Project 14, involving 59,076 yd sta. overhaul and 73,989 cu.yd. excav., 594 lin.ft. corrugated iron or concrete pipe culverts, 20,092 lb. reinforcing steel, 291.5 cu.yd. Class A and 73 cu.yd. Class B concrete. About $75,000. F. S. Peck, Pierre, state highway engr.

Missouri—Until July 31, by State Highway Dept., Hermitage, building 4.49 mi. Preston-Collins Rd. (Preston Special Rd. Dist.), 24 ft. wide Federal Aid Project 46, Hickory Co., involving 18,474 cu.yd. earth excav., 1,544 cu.yd. borrow, 1,000 cu.yd. per 100 ft. overhaul, 25,917 sq.yd. gravel pavement Specification "B," 6,328 sq.yd. gravel surface course, 126.7 c.u.yd. Class "B" and 168.4 cu.yd. Class "C" concrete masonry, 6,492 lb. reinforcement for concrete masonry and 105 lin.ft. 12-15 in. vitr. clay pipe culverts, cost $26,094; 7.4 mi. Springfield-Sedalia Rd. (Preston Special Rd. Dist.), 24 ft. wide, Federal Aid Project 45, Hickory Co., 29,157 cu.yd. earth and 250 cu.yd. rock excav., 1,530 cu. yd. borrow, 200 cu.yd. per 100 ft. overhaul, 50,525 sq.yd. gravel pavement Specification "B," and 48 cu.yd. Class "C" concrete masonry, 20,558 lb. reinforcement for concrete masonry, 98 lin.ft. 12-18 in. vitr. clay pipe culverts and 99 lin.ft. relaid pipe culvert, $42,010. Noted January 1 and 29.

Mo., St. Louis—Until Aug. 10, by city, covering old foundation course with asphaltic binder and asphaltic cement wearing surface, Lafayette Ave. from Waverly Pl. to Grand Ave., involving 14,425 sq.yd. asphaltic cement, 1,162 ton refined asphaltic wearing surface, 2,177 gal. each "A" and "B" refined tar binder, cost $45,500, also Maple Ave. from Hamilton to Hodimont Aves., 6,362 sq.yd. asphaltic cement, 509 ton refined asphalt, 239 ton asphaltic binder, ½ ton asphaltic cement, $19,650; removing macadam base and paving with bitulithic, Marcus Ave. from Labadie to Ashland Aves., 25 cu.yd. earth excav., 210 sq.yd. concrete, 1,230 sq.yd. bituminous concrete, $11,000; removing present wearing surface and replacing with asphaltic cement, 7th Ave. from Park to Choteau Aves., 7,280 sq.yd. asphaltic cement, $20,284; Lawton Ave. from Jefferson to Grand Aves., 8,940 sq.yd. asphaltic cement, 715 ton refined asphaltic wearing surface, 559 ton asphaltic binder, $29,700; Skinker Rd. from Delmar to Forsythe Blvds., 13,805 sq.yd. asphaltic cement, 1,104 ton refined asphalt, 518 ton refined asphaltic binder, $40,800; Union Blvd. from Easton to St. Louis Aves., 15,665 sq.yd. asphaltic cement, 1,254 ton refined asphaltic wearing surface, 588 ton asphaltic binder, $48,000. W. W. Horner, City Hall, engr. Noted July 15.

Tex., Amarillo—Until Aug. 20, by R. C. Johnson, judge Potter Co., improving highway 5 et al. Nagle, Witt, Rollins Eng. Co., Amarillo, engrs.; advertised in this issue.

Tex., Bastrop—Until July 28, by grading, gravel surfacing and draining 8.814 mi. Highway 20-A, through Rd. Dist. 3, 14 ft. wide. About $68,993. A. F. Mitchell, Cameron, co. engr. Noted June 24.

New Mexico—Until July 31, by State Highway Dept., Capitol Bldg., Santa Fe, building 15.41 mi. Federal Aid Project 34, including bridges, between Chama and Tierra Amarilla, Rio Arriba Co. Noted June 24.

Utah, Salt Lake City—Until Aug. 2, by Salt Lake Co., paving 2.5 mi. 21st St. from 13th St. E. to Wasatch-Bonneville Blvd., 2 in. bituminous wearing surface. G. Bywater, C & C Bldg., engr.

Washington—Until Aug. 2, by State Highway Dept., Olympia, surfacing 8.62 mi. Inland Empire Highway, between Lodge and Delaney, Columbia and Garfield Counties, crushed rock; clearing, grading, draining and surfacing 2.4 mi. State Rd. 22, from Rickey south, gravel, and 1.25 mi. North Bank Highway, from Skamania Sta. east, crushed rock. J. Allen, state highway engr.

Ore., Portland—Until Aug. 2, by Multnomah Co., paving 4,000 sq.yd. Montgomery Dr., 6,000 sq.yd. St. Helens Rd., 21,000 sq.yd. Columbia Blvd., and 7,000 sq.yd. on Bway. Bridge. W. Eatchel, roadmaster.

Cal., South Pasadena—Until Aug. 9, by B. V. Garwood, city clk., grading, curbing, guttering and building sidewalks on Monterey Rd., Oak and Spruce Sts. and Ramona and Diamond Aves. R. V. Orbison, city engr.

Nova Scotia—Until July 30, by Provincial Government, Halifax, building 15 mi. Woods Harbor-Pubnico Rd., Yarmouth Co.; also 8.8 mi. Baddeck-Ferry Rd. and 11 mi. Sydney-Hawkesbury Rd., Cape Breton Co., all 16 ft. wide, gravel macadam. About $140,000 and $188,000 respectively. J. W. Roland, engr.

Que., Montreal—Until July 27, by Administrative Comn., building sidewalks on Wilson Ave., Marcil, Marianna, Old Orchard, Hampton, Du Rosaire, Belmore, Victoria, Cote Ste. Antoine and St. Jacques Rds. About $350,0000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Maine—State Highway Comn., Augusta, received only bid June 23, building 2.26 mi. concrete road, Norway and Paris, from Hassam Paving Co., 17 Federal St., Worcester, Mass., $77,190.

★**Maine**—State Highway Comn., Augusta, let contract building 6.12 mi. gravel road, Littleton, to Greenwood Constr. Co., Skowhegan, $117,987; rebuilding Gagnon Bridge, Frenchville, to Bd. Selectment, Frenchville, $10,800.

★**Vermont**—State Highway Comn. Montpelier, let contract building 1.26 mi. State Highway Project 16, East Montpelier, involving 2,910 cu.yd. gravel, 139.5 cu.yd. concrete, 5,827 cu.yd. earth and 100 cu.yd. rock excav., 2,533 cu.yd. stone base, 1,381 cu.yd. borrow, etc., to G. L. Gregoire & Co., Barre, $35,852; 4.03 mi. Project 15, South Burlington and Shelburne, 111,825 gal. oil asphalt, 100 cu.yd. concrete, 2,296 cu.yd. earth and 800 cu.yd. rock excav., 4,142 yd. bituminous macadam, 1,166 cu.yd. stone base, 7,175 cu.yd. borrow, etc., to W. T. Thayer & Co., Chateaugay, N. Y., $119,697; 5.6 mi. Project 14, Dummerston, 14,106 sq. yd. gravel, 546 cu.yd. concrete, 100 sq.yd. cobble gutter, 34,445 cu.yd. earth and 3,011 cu.yd. rock excav., 1,497 cu.yd. bituminous macadam, 1,054 cu.yd. borrow, etc., to Fallkill Constr. Co., 1 Washington St., Poughkeepsie, N. Y., $124,083. Noted June 24.

Vermont—State Highway Comn., Montpelier, received bids July 1, building 4.07 mi. State Highway Project 13, New Haven and Waltham, involving 9,078 yd. waterbound macadam, 139 cu.yd. concrete, 100 sq.yd. cobble gutter, 8,324 cu.yd. earth and 14 cu.yd. rock excav., 3,609 cu.yd. stone, etc., from J. Arborio, 80 Park St., New Haven, Conn., $127,249; 13.57 mi. Project 12, Dorset, Mt. Tabor and Danby, involving 32,841 cu.yd. gravel, 1,193 cu.yd concrete, 200 sq.yd. cobble gutter, 100 sq.yd. concrete gutter, 47,554 cu.yd. earth and 478 cu.yd. rock excav., 2,892 cu.yd. stone, 4,428 cu.yd. borrow, 1,230 lin.ft. 12-18 in. corrugated pipe culverts, 26,773 lb. reinforcing steel, etc., from P. C. Ricci, Rutland, $286,810, M. H. Ripton, Livingston Bldg., Rochester, N. Y., $377,490; 0.73 mi. Project 3, Barnet, involving 1,073 yd. gravel cushion, 44.7 cu.yd. concrete, 3,236 cu.yd. earth and 387 cu.yd. rock excav., 2,286 cu.yd stone base, etc., from Perini & Sons, Inc., Ashland, Mass., $35,154; W. E. Dix Corp., Springfield, $36,296. Noted June 24.

Vt., Springfield—Village received bids June 15, building bituminous macadam pavement on Clinton, Main and Valley Sts., involving (a) 2,000 cu.yd. excav., (b) 1,700 cu.yd. sub-base, (c) 1,920 sq.yd. reshaping, (d) 200 cu.yd. bottom course, (e) 652 cu.yd. top course, (f) 18,000 gal. binder, from W. E. Dix, Springfield, (a) $115 pr cu.yd., (b) $3.25, (c) $.15, (d) $6.20, (e) $6.70, (f) $.15, total $16,241; Linberg & Street, 294 Washington St., Boston, (a) $2.50, (b) $6.10, (c) $.18, (d) $10.30, (e) $11, (f) $.15, total, $27,647; P. Baldasoro, Bellows Falls, (a) $3, (b) $7, (c) $3, (d) $10, (e) $10, (f) $.10, total, $33,980. Noted June 3.

Massachusetts—State Highway Comn., Boston, received bids July 6, building 3,300 ft. state highway, Leicester, from J. Mac-

Streets and Roads (Continued)

Donald Constr. Co., Boston, $51,731; D. Orifro Bros., Leominster, $59,979; C. Bianchi & Co., Inc., Framingham, $61,023. Noted July 1.

★**Massachusetts**—State Highway Comn., Boston, let contract building 7,200 ft. highway, Dudley, to C. Bianchi & Co., Framingham, $61,638. Noted July 1.

★**Mass., Boston**—City let contract paving Tremont and Boyleston Sts., to J. D. Doherty, 133 Calumet St., Roxbury, $26,248. Noted June 10.

★**Mass., Boston**—City let contract paving Archdale Rd., West Roxbury, involving 6,800 sq.yd. topeka on 4 in. concrete base, to M. De Matteo, 154 Dudley St., Roslindale, $27,165. Noted June 24.

★**Mass., Boston**—City will pave with granite block on 6 in. concrete base and build sidewalks on Chelsea St. About $28,000. Work will be done by day labor.

Rhode Island—State Bd. Pub. Rds., State House, Providence, received bids July 7, rebuilding 2 mi. road from point, 1,000 ft. south of Nanaquaket Bridge and extending south on Sakonnet Point Rd., in town of Tiverton, from J. Bristow, Narragansett Pier, $87,652; J. McCormick, Newport, $89,638; Linberg & Street, 294 Washington St., Boston, $94,720. Noted June 24.

N. Y., Brooklyn—E. Riegelmann, boro. pres., received bids July 14, regulating and repaving (a) Atlantic Ave., (b) Bergen St., (c) West 5th St., (d) East 10th St., (e) Junius St., (f) 81st St., (g) Newport St., from Leonard Paving Co., 233 Bway., New York City, (a) $228,509; F. J. Gallagher, 490 Park Pl., (a) $255,151; Brooklyn Alcatraz Paving Co., 407 Hamburg Ave., (b) $21,915, (c) $11,011, (d) $16,649, (f) $14,175; Uvalde Asphalt Paving Co., 1 Bway., New York City, (b) $22,309, (c) $10,962 (d) $16,689, (e) $9,794, (f) $13,897, (g) $9,515; Consolidated Asphalt Paving Co., 52 9th St., (b) $22,517, (c) $11,164, (d) $16,630, (e) $9,848, (f) $13,954, (g) $9,535; Sicilian Asphalt Paving Co., 41 Park Row, New York City, (b) $22,911, (c) $11,564, (d) $16,560, (e) $9,883, (f) $14,101, (g) $9,656. Noted July 8.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., received bids July 14, regulating and repaving with sheet asphalt, (1) Bway., (2) West 36th St., (3) East 82nd St., (4) East 51st St., (5) West 12th St., (6) with asphaltic concrete, West 36th St., (7) East 51st St., (8) 82nd St., (9) West 12th St., (10) Bway., (11) with asphalt block, East 82nd St., (12) Bway., (13) with wood block, Bway., from Uvalde Asphalt Paving Co., 1 Bway., (1) $45,765, (2) $23,551, (3) $38,544, (4) $23,491, (5) $64,394, (9) $29,622; Cleveland Trinidad Paving Co., Flushing, (1) $47,986, (2) $24,531, (3) $37,301, (4) $23,323, (5) informal; J. L. Brusstar, Harlem River and 150th St., (1) $48,196, (2) $24,100, (3) $39,772, (4) $22,470, (5) $28,650, (6) $25,168, (7) $23,193, (8) $38,391, (9) $30,049; Asphalt Constr. Co., 2197 Madison Ave., (3) $35,709, (4) $23,682; Hastings Paving Co., 25 Broad St., (11) $43,622, (12) $51,621; W. J. Fitzgerald, 547 West 45th St., (13) $52,622. Noted July 8.

N. Y., New York—Park Bd., at office of Dept. Parks, Municipal Bldg., received bids July 15, furnishing labor and material building North Island of Plaza at 5th Ave. between 59th and 60th Sts., from P. T. Cox, 154 Nassau St., $74,640, Fox Reynolds Co., 81 East 125th St., $122,700; also repaving with heavy sheet asphalt, center roadway of Bronx and Pelham Parkway, from J. L. Brusstar, Harlem River and 150th St., $7,680, Uvalde Asphalt Paving Co., 1 Bway., $8,100, Asphalt Constr. Co., 2197 Madison Ave., $8,112. Noted July 8.

★**N. Y., S. I., St. George**—C. D. Van Name, pres. Richmond Boro., let contract repaving Rockland Ave. and Richmond Rd., to C. Vanderbilt, 24 Elizabeth St., West New Brighton, $32,732 and $17,790 respectively. Noted July 8.

N. Y., Syracuse—City received bids repairing railway strip of Belden Ave. from Maltbie to Liberty Sts., (1) vitr. brick, (2) sandstone, from F. G. Baker, University Blk., (1) $79,507, (2) $86,299; C. T. Hookway, Syracuse, (1) $87,370, (2) $93,313.

N. J., Flemington—Hunterdon Co. received bids building (a) 1.25 mi. road Lambertville to Pancoast Lane and 0.75 mi. Runkle Driveway to station, (b) 0.6 mi. Flemington Junct. to railroad, all concrete, from J. F. Burke Co., Plainfield, (a) $40,553, (b) $53,238; C. H. Winans & Co., 207 Broad St., Elizabeth, (a) $44,388, (b) $60,084; C. B. Bitler, Phila., (a) $41,777, (b) $58,176.

★**N. J., Freehold**—Bd. Freeholders, Monmouth Co., let contract paving 3 mi. Ocean Ave., 30 ft. wide, Monmouth Beach and Seabright, to Eastern Paving Co., Colonial Trust Bldg., Phila., $262,315. Noted June 10.

N. J., Jersey City—Hudson Co. Blvd. Comn. received bids July 7, improving Hudson Co. Blvd. from Paterson to Hackensack Plankroads, from G. W. Brewster Sons, Hackensack, $347,100; Clinton Contg. Co., 306 Charles Ct., West Hoboken, $386,100; Willite Rd. Constr. Co., 51 Chambers St., New York City, $387,075. Noted June 24.

★**Pennsylvania**—State Highway Dept., Harrisburg, let contracts paving 3,549 ft. road in Matamoros Boro., also 4,508 ft. in Milford Boro., Pike Co., sheet asphalt, to H. B. Sproul Co., 218 Adams Ave., Scranton, $35,155 and $49,602 respectively. Noted June 24.

★**Pa., Mt. Lebanon** (Pittsburgh P. O.)—Township let contract grading, curbing and paving Lavinia Ave. from Bower Hill Rd. to north end of street, involving 1,400 cu.yd. grading, 1,970 ft. 18 in. curbing and guttering, 2,260 sq.yd. asphalt concrete, etc., also Academy Ave. from Orchard Pl. to Cochran Rd., 700 cu.yd. grading, 830 lin.ft. 18 in. curbing and guttering, 960 sq.yd. brick paving, to M. Ott Co., 416 Warrington Ave., Pittsburgh, $17,980 and $7,795 respectively.

★**Pa., Phila.**—City let contract to T. Connor, 3329 North 5th St., grading Camac St. from Olney Ave. to point north of Grange Ave., Chew St. from Broad to Sydenham Sts., 12th St. from Olney Ave. to point north of Grange Ave., $13,673; Dorcas St. from point north of Bleigh to Faunce Sts., Whitaker Ave. from Cottman St. to Bleigh Ave., $9,094; 17th and 18th Sts. from 68th Ave. N., to Haines St., $1,090; Syndenham St. from Duncannon to Fisher Aves., $2,045; Courtland St. from Front to Ella Sts., $1,338; to F. Mark Contg. Co., 2820 North 21st St., 20th St. from Venango to Pacific Sts., $1,841; to J. J. McHugh, 1430 South Penn Sq., Pentridge St. from 53rd St. to point east of 54th St., $1,657; to P. L. Flanagan, 1204 East Montgomery Ave., Luzerne St. from K St. to Kensington Ave., $13,404; to I. K. Davis Co., 20th and Spencer Sts., Durham St. from Anderson to Ardleigh Sts., $8,758; to Phila. Boiler Wks., 1737 Filbert St., furnishing asphalt storage tanks for Asphalt Plant, $5,120; to Kinney Mfg. Co., 725 Commercial Trust Bldg., asphalt pump and engine and asphalt strainer, $1,147; to Whitlock Coil Pipe Co., Elmwood St., Hartford, Conn., heating coils, $3,040; to Highway Trailer Co. of Pensylvania, 238 South 11th St., auto trailer fire wagon, $3,070; McAvoy Vitr. Brick Co., 1345 Arch St., portland cement concrete sand, $1,560.

Maryland—State Rds. Comn., 601 Garrett Bldg., Baltimore, let contract resurfacing with sheet asphalt 2.1 mi. Philadelphia Rd. from end of sheet asphalt to New City Line, Contr. BC-34, to Amer. Paving & Contg. Co., Montebello Ave. and Jenkins Lane, Baltimore, $73,530; 2.75 mi. Harford Rd. from Old City Line to New City Line, 18 ft. wide, Contr. BC-36, to P. Flanigan & Son, Harford Ave. and 25th St., Baltimore, $89,903; 1.45 mi. Frederick Rd. from Old City Line to New City Line, 18 ft. wide, Contr. BC-37, to Baltimore Asphalt Block & Tile Co., Monroe and Lorman Sts., Baltimore, $42,470; graveling 6 mi. state road from near Owensville toward Shadyside, 16 ft. wide, Federal Aid Projet 34, Contr. AA-15-A, to E. H. Smith, 229 Garrison Ave., Baltimore, $6,000. Noted June 24.

D. C., Washington—Dist. Comrs., 509 Dist. Bldg., received bids repairing asphalt pavements, for period of 1 year, (1b) standard curb, 6 in. base, (2b) standard surface, no base, (3b) laying asphalt binder, (4b) standard asphalt surface, railroad repairs, (5b) asphalt binder, railroad repairs, from Cranford Paving Co., 2620 E St. N. W., (1b) $3.90 sq.yd., (2b) $1.34 sq.yd., (3b) $.64 cu.ft., (4b) $1.10 cu.ft., (5b) $.90 cu.ft.; laying 65,000 sq.yd. sheet asphalt pavements, (1b) standard curb 6 in. base, (2b) vitr. block on 6 in. concrete base, (3b) laying standard asphalt surface, 5 in. concrete base, (4) vitr. block on 5 in. concrete base, from Corson & Gruman, 61 Rhode Island Ave. N. E., (1b) $3.95, (2) $3.63, (3b) $3.75, (4) $3.43, Cranford Paving Co., (1b) $3.97, (2) $3.58, (3b) $3.77, (4) $3.38.

★**Virginia**—State Highway Dept. Richmond, let contract hard surfacing 2 mi. Natl. Highway, through Danville, to Battishill & Clay, Danville. About $75,000.

★**North Carolina**—State Highway Comn., Raleigh, let contract grading, surfacing, draining and building necessary bridges on 27 mi. Dunn-Clinton Rd., 16 ft. wide, Sampson Co., to R. P. Ashby, Raleigh. About $180,000. Noted June 10.

★**N. C., Kingston**—Comrs. Lenoir Co. let contract hard surfacing 7.23 mi. road, to T. H. Gill & Co., $254,789.

★**N. C., Monroe**—Union Co. will build 12.89 mi. gravel road, 16 ft. wide, by day labor, $155,337.

★**N. C., Winston-Salem**—Comrs. Forsyth Co. let contract grading and top soiling 1 mi. Box Mountain Rd., to S. Taylor, Winston-Salem. About $39,000.

★**S. C., Columbia**—City let contract grading North Main St. from Scott St. to city limits, to Powell Paving & Constr. Co., Palmetto Bank Bldg., $3,343; furnishing concrete pipe, to Shearman Concrete Pipe Co., Memphis, Tenn., $6,409; curbing and draining, to Concrete Constr. Co., Columbia, $18,439. Noted July 1.

Ohio—State Highway Comn., Columbus, received bids July 16, building roads in following counties:

Columbiana and Mahoning Counties, Sect. "K," Alliance-Salem Rd., 1.02 mi., grading, constructing bridges and culverts and paving with brick, from Jones Constr. Co., Lisbon Rd., Salem, $49,875; J. D. Paxon, Salem, $49,924.

Guernsey Co., Sect. "C," Cambridge-Caldwell Rd., constructing bridge, J. P. Mumaw, Byerville, O., $928.

Huron Co., Sect. "L," Norwalk-Plymouth Rd., 2.58 mi., grading and draining roadway, A. J. Bates, Norwalk, $10,062.

Mahoning Co., Sect. "B," Youngstown-Lisbon Rd., 2.51 mi., grading, constructing bridges and culverts and paving with brick, T. W. Miller Cont. Co., Youngstown, $93,493; W. M. Keeseeka, Youngstown, $96,456.

Miami Co., Sect. "A-3," Piqua-Troy Rd., 1.46 mi., grading, constructing drainage structures and paving with rein.-con., J. Karsh, Celina, $6,600; J. Hennesey, Piqua, $9,609.

Paulding Co., Sect. "A-2," Paulding-Ft. Wayne Rd., 2.997 mi., grading, constructing bridges and culverts and paving with concrete, W. Huber, Bloomingburg, $130,118; S. Monroe & Son Co., Portsmouth, $131,118, paving with monolithic brick, $150,112; D. M. Roach, Defiance, paving with brick, $153,130.

Sandusky Co., Sect. "S-1," Lima-Sandusky Rd., 1.179 mi., grading, constructing drainage structures and paving with brick, Modern Constr. Co., Fremont, $74,866, paving with concrete, $72,554.

Sect. "T," Sandusky-Clyde Rd., 1.264 mi., grading, constructing drainage structures and paving with brick, Lee Bros. & Petticord, Clyde, $60,980.

Sect. "A," Memorial Rd., .3 mi., grading and paving with brick, A. J. Witte, Elmore, $39,948; Modern Constr. Co., Fremont, $39,958.

Trumbull Co., Sect. "S," Warren-Sharon Rd., 1.34 mi., grading, constructing bridges and culverts and paving with brick, McDermott & Hannan, Niles, $70,664; J. A. Galadini, Girard, O., $71,160.

Sect. "R-1," Youngstown-Sharon Rd., .66 mi., grading, constructing bridges and culverts and paving with brick, W. H. Keeseeka, Youngstown, $47,083; Kane Bros., Youngstown, $47,609.

Wyandot Co., Sects. "J" and "K" of I. C. H. No. 113, 4.545 mi., grading, constructing bridges and culverts and paving with bituminous concrete, H. P. Streicher Co., 319 Terminal Bldg., Toledo, $220,423; paving with asphaltic concrete, $206,068.

★**Ohio**—State Highway Comn., Columbus, let contracts building roads in the following counties:

Ashland Co., Sect. "B" Ashland-Wooster Rd., 3.78 mi., grading, constructing bridges and culverts and paving with monolithic brick, to Foster-Heffner Constr. Co., Dayton, $175,997.

Coshocton Co., Sect. "E" Newcomerstown-Coshocton Rd., 2.47 mi., grading, draining and paving with monolithic brick, to T. J. Norman & Son, West Lafayette, O., $122,853.

Erie Co., Sect. "A" Lima-Sandusky Rd., 3.05 mi., grading, constructing bridges and culverts and paving with concrete, to E. F. Hoffman, Castalia, O., $124,216.

Franklin Co., Sect. "Z" Natl. Rd., .84 mi., grading, draining and paving with asphalt, to Franklin Asphalt Paving Co., Columbus, $130,971. Contr. No. 2, covering same distance and road, between interurban tracks, paving with asphalt, to Franklin Asphalt Paving Co., Columbus, $22,254.

Gallia Co., Sect. "F-2" and "G" Jackson-Gallipolis Rd., 6.24 mi., grading, constructing bridges and culverts and paving with bituminous macadam, to Miller Bros., Gallipolis, $179,218.

Guernsey Co., Sect. "Fairview Corporation" Natl. Rd., .54 mi., grading, draining and paving with brick on sandstone base, to C. E. Wilson, Barnesville, O., $22,227

Sandusky Co., Sect. "L" Fremont-Perrysburg Rd., 6.54 mi., grading, constructing bridges and culverts and paving with brick, to Modern Constr. Co., Fremont, $425,512.

Streets and Roads (Continued)

Union Co., Sect. "D" Columbus-Marysville Rd., 2.88 mi., grading, constructing bridges and culverts and paving with bituminous macadam, to T. V. Van Camp, Cincinnati, $91,493.

Sect. "E" Columbus-Marysville Rd., 5.35 mi., grading, constructing bridges and culverts and paving with bituminous macadam, to T. V. Van Camp, Cincinnati, $177,684.

Wayne Co., Sect. "F" Cleveland-Wooster Rd., 4.08 mi., grading, constructing bridges and culverts and paving with monolithic brick, to Lee, Griggs & Anderson, Millersburg, $151,287. Noted July 1.

★**O., Marysville**—Union Co. let contract grading, draining and paving with waterbound macadam .875 mi. Forrider Rd., 16 ft. wide, Washington Twp., to L. J. Harris, $10,126; 3.25 mi. Marysville-Watkins Rd., 16 ft. wide, Davis and Millcreek Twps., to C. O. Herd & Sons, Lima, $44,199; 2.75 mi. Harlsburg-Delaware Rd., 16 ft. wide, to C. B. Phelps, $35,360; grading, building drainage structures and paving 2 mi. Essex and Arbola Rds., 16 ft. wide, also grading, building bridges and paving 1.75 mi. Boundry Rd., 16 ft. wide, York and Washington Twps., to L. G. Rockheld, $33,500 and $25,575 respectively; grading, building bridges and culverts and paving 2.5 mi. Rose Rd., 16 ft. wide, Claibourne Twp., to Union Macadam Co., $34,599.

★**Michigan**—State Highway Dept., Lansing, let contract grading and draining 3.44 mi. Federal Aid Rd. 40, Barry Co., involving 32,786 cu.yd. earth excav., 441 lin.ft. pipe culverts, 128.4 cu.yd. concrete in culverts and 1,800 lb. steel reinforcement, to Kalamazoo Constr. Co., 115 Pratt Blk., Kalamazoo, $30,332. Noted April 22.

★**Mich., Detroit**—City let contracts to T. E. Currie, 20 McGraw Bldg., grading and paving Alley 1,174, $4,821 and 1,178, $7,993; to Lester & Shepard, 400 Penobscot Bldg., 1,175, $5,589; to Otis Cement Constr. Co., 806 Hammond Bldg., 1,176, $9,813, 1,181, $6,797, 1,184, $6,157; to R. A. Mericer, 756 Hudson Ave., 1,177, $6,100, 1,180, $8,412, 1,183, $5,006; to R. J. Powelson Co., 1577 Iroquois Ave., 1,179, $5,723, 1,182, $5,393, 1,185, $4,692. Noted July 1.

Mich., Detroit—City received bids grading, shaping and paving with sheet asphalt on 8 in. concrete foundation, Amherst or Berea curbstone (a) Coplin Ave., (b) Concord Ave., (c) Heck Pl., (d) Lycaste Ave., (e) Lafayette Ave., (f) Marlborough Ave., (g) Milford Ave., (h) Newport Ave., (i) Philadelphia Av., (j) Springwells Ave., (k) Charlevoix Ave., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $51,562, (b) $19,620, (c) $14,789, (d) $29,517, (e) $37,515, (f) $14,399, (g) $55,933, (h) $33,133, (i) $38,633, (j) $29,042, (k) $32,119; Cleveland Trindiad Paving Co., 2940 Woodward Ave., (a) $58,290, (b) $20,879, (c) $16,534, (d) $33,292, (e) $41,997, (f) $16,452, (g) $61,635, (h) $37,863, (i) $38,436, (j) $33,085, (k) $36,379. Noted June 17 and 24.

Mich., Detroit—City received bids grading, shaping and paving with sheet asphalt or granite block on 8 in. concrete foundation, Berea or Amherst curbstone, alleys to be paved with 1 course concrete with 2 x 6 in. retaining plank, (a) Dix Ave., (b) Alter Rd., (c) Fenkell Ave., (d) Joy Rd., (e) Lycaste Ave., (f) Alley 1,186, (g) 1,187, (h) 1,188, (i) 1,189, (j) 1,190, (k) 1,191, (l) 1,192, from Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $5,713, (b) $133,685, (c) $138,929, (d) $168,319; Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $5,032, (b) $123,941, (c) $135,775, (d) $170,082; T. E. Currie, 20 McGraw Bldg., (e) $76,296; G. R. Cooke, 1260 Penobscot Bldg., (e) $75,868; Otis Cement Constr. Co., 806 Hammond Bldg., (f) $2,142, (g) $8,048, (h) $3,084, (i) $4,848, (j) $5,472, (k) $6,365, (l) $7,348; Lester & Shepard, 400 Penobscot Bldg., (f) $2,112, (h) $33,014; R. Porath Sons, 1131 McKinley St., (g) $8,195, (j) $5,328, (k) $6,251, (l) $7,508; R. A. Mercier, 746 Hudson Ave., (g) $7,812, (i) $4,889, (k) $6,225; R. J. Powelson Co., 1577 Iroquois Ave., (i) $4,764, (j) $5,274, (l) $7,465. Noted July 8.

★**Mich., Ford** (Wyandotte P. O.)—Village let contract grading, shaping and paving St. John, St. Antoine, Davis and 1st Sts. and Riverside Drive, involving 30,000 sq.yd. 2 course concrete, concrete curbing, to Rice Constr. Co., Wyandotte. About $150,000. Noted May 20 and June 17.

Ill., Chicago—Bd. Local Impvts., 207 City Hall., received bids June 29, paving (1) alley between East 43rd St., St. Lawrence and Champlain Aves., involving 400 cu.yd. grading, 640 sq.yd. asphalt pavement on 7 in. concrete, (2) alley between Roosevelt Rd., Ashland Ave., Washburn and Paulina Sts., 1,354 ft. concrete curb, 520 cu.yd. grading, 1,080 sq.yd. vitr. brick pavement on 6 in. concrete, (3) alley between Douglas Blk., Kedzie Ave., West 13th and Troy Sts., 409 cu.yd. grading, 939 sq.yd. asphalt pavement on 7 in. concrete, 166 ft. 10 in. tile sewer, etc., (4) alley between Wabansia, Campbell, North and Maplewood Aves., 474 cu.yd. grading, 1,220 sq.yd. asphalt pavement on 7 in. concrete, (5) Bernard St. from Waveland to Elston Aves., 1,220 ft. concrete curb, 926 cu.yd. grading, 1,900 sq.yd. asphalt pavement on 6 in. concrete, (6) California Ave. from Devon Ave. to Albion St., 2,470 ft. concrete curb, 2,800 cu.yd. grading, 5,800 sq.yd. asphalt pavement on 6 in. concrete, etc., (7) North Fairfield Ave. from Peterson to Granville Aves., 2,560 ft. concrete curb, 930 cu.yd. grading, 3,790 sq.yd. asphalt pavement on 6 in. concrete, etc., (8) West 50th Pl. from Hoyne Ave. to Western Ave. Blvd., 3,252 ft. concrete curb, 1,350 cu.yd. grading, 3,200 sq.yd. asphalt pavement on 6 in. concrete, etc., (9) North Harding Ave. from Augusta to Division Sts., 2,460 ft. concrete curb, 250 cu.yd. grading, 3,280 sq.yd. asphalt pavement on 6 in. concrete, etc., (10) Keystone St. from West End to Park Aves., 800 ft. concrete curb, 500 cu.yd. grading, 1,250 sq.yd. asphalt pavement on 6 in. concrete, etc. (11) Moffat St. from Western Ave. to Rockwell St., 2,480 ft. concrete curb, 1,350 cu.yd. grading, 3,830 sq.yd. asphalt on 6 in. concrete, etc., (12) North Oakley Blvd. from Berteau to Cullom Sts., 1,260 ft. concrete curb, 700 cu.yd. grading, 1,820 sq.yd. asphalt on 6 in. concrete, (13) sections of North Fairfield, California, Glenlake, Granville and Rosemont Aves., 9,660 ft. concrete curb, 8,000 cu.yd. grading, 18,400 sq.yd. asphalt pavement on 6 in. concrete, etc., from Contg. & Material Co., 3219 South Michigan Ave., (1) $4,000, (2) $9,388, (3) $6,068; Central Paving Co., 179 West Washington St., (1) $4,065, (2) $9,388, (3) $6,068, (4) $5,588; J. Dillon & Co., 179 West Washington St., (1) $4,075, (2) $9,252, (3) $5,969, (4) $5,692; J. A. Ross & Co., 4561 Armitage Ave., (4) $5,481; R. F. Conway Co., 133 West Washington St., (5) $12,376, (6) $28,904, (7) $22,394, (8) $31,222, (9) $22,842, (10) $7,804, (11) $23,921, (12) $11,641, (13) $109,827; Amer. Asphalt Paving Co., 133 West Washington St., (5) $12,495, (6) $29,589, (7) $22,734, (8) $31,263, (9) $22,365, (10) $7,700, (11) $24,098, (12) $11,870, (13) $112,369; White Paving Co., 17 North La Salle St., (5) $12,524, (6) $29,245, (7) $22,738, (13) $110,677.

Ill., Chicago—Bd. Local Impvts., 207 City Hall, received bids July 8, paving (1) South Avers Ave. from Roosevelt Rd. to West 14th St., involving 2,610 ft. concrete curb, 1,600 cu.yd. grading, 4,300 sq.yd. asphalt pavement on 6 in. concrete, etc., (2) East 50th St. from Ellis to Woodlawn Aves., 2,400 ft. concrete curb, 2,250 cu.yd. grading, 4,250 sq.yd. asphalt pavement on 6 in. concrete, etc., (3) North Leamington Ave. from West North Ave. to Hirsch St., 2,580 ft. concrete curb, 1,300 cu.yd. grading, 4,120 sq.yd. asphalt pavement on 6 in. concrete, etc., (4) North Lorel Ave. from West North Ave. to Hirsch St., 2,580 ft. concrete curb, 2,000 cu.yd. grading, 4,120 sq.yd. asphalt pavement on 6 in. concrete, etc., 70 ft. 10 in. tile sewer, etc., (5) West 104th St. from Wentworth Ave. to point 970 ft. west, 2,090 ft. concrete curb, 1,900 cu.yd. grading, 3,380 sq.yd. 10 in. blast furnace slag, etc., (6) Trumbull Ave. from Augusta St. to West Grand Blvd., 1,100 ft. concrete curb, 600 cu.yd. grading, 1,500 sq.yd. asphalt pavement on 6 in. concrete, etc., (7) Winona St. from North Clark St. to Bway., 4,520 ft. concrete curb, 2,590 cu.yd. grading, 7,170 sq.yd. asphalt pavement on 6 in. concrete, etc., (8) sections of School, Henderson and Melrose Sts., Le Claire, La Vergne and Lamon Aves., 15,000 ft. concrete curb, 9,069 cu.yd. grading, 25,080 sq.yd. asphalt pavement on 6 in. concrete, etc., from Amer. Asphalt Paving Co., 133 West Washington St., (1) $28,664, (2) $26,648, (3) $27,891, (4) $26,717, (6) $10,029, (7) $46,520, (8) $171,999; White Paving Co., 17 North La Salle St., (1) $28,885, (2) $26,835, (3) $28,140, (4) $27,034, (6) $10,136, (7) $46,155, (8) $173,280; R. F. Conway Co., 133 West Washington St., (1) $28,900, (2) $26,829, (3) $28,065, (4) $26,922, (6) $10,103, (7) $45,818, (8) $172,378; Farr Bros. Co., 356 West 111th St., (5) $19,323; J. A. Sackley Co., 133 West Washington St., (5) $19,440.

Wisconsin—State Highway Comn., at div. office 7, Court House, Rhinelander, received only bid July 9, from Van der Boom Constr. Co., 120 Pelican-Crandon Rd., Federal Aid Project 73, Forest Co., involving 13,167 cu. yd. earth excav., at $0.88 per cu.yd., 80.5 cu.yd. concrete in culverts, $28, 62,823 sq.yd. gravel surfacing, $0.40, 4.82 acres clearing and grubbing, $200, etc., total cost, $40,526, county to furnish 6,956 cu.yd. material for surfacing, $26,436; Crandon-Laona Rd., Federal Aid Project 55, Forest Co., 14,345 cu.yd. earth excav., $1.20, 95.3 cu.yd. concrete in culverts, $28, 44,868 sq.yd. gravel surfacing, $0.42, 13.3 acres clearing and grubbing, $200, etc., $41,886, county to furnish 4,780 cu.yd. material for surfacing, $19,024. Noted July 1.

Wisconsin—State Highway Dept., at div. office 5, Court House, La Crosse, received bids July 8, improving 7.19 mi. Whitehall-Ettrick Rd., Federal Aid Project 120, Trempealeau Co., from Mason & Metzgar, Blair, $48,640. Work involves 32,096 cu.yd. earth excav., at $0.55 per cu.yd., 2,850 cu.yd. rock excav., $1.25, 661 cu.yd. concrete in culverts, $28, 0.4 acre clearing and grubbing, $40, 4,572 cu.yd. borrow excav., $0.55, 108.5 cu.yd. Class "A" concrete, $28, etc. Noted July 1.

Wisconsin—State Highway Dept., at div. office 5, Court House, La Crosse, received bids July 8, improving 3.76 mi. Black River Falls-Sparta Rd., Federal Aid Project 105, Monroe Co., involving (a) 14,169 cu.yd. earth excav., (b) 112.5 cu.yd. concrete in culverts, (c) 35,622 sq.yd. 16 ft. shale surfacing, (d) 219 cu.yd. borrow excav., etc., from Jordon Bros., New Albion, (a) $0.54, (b) $36, (c) $0.64, (d) $0.54, etc., $35,043; J. Young, Leon, (a) $0.65, (b) $35, (c) $0.60, (d) $0.65, etc., total cost, $35,122. Noted July 1.

★**Wisconsin**—State Highway Dept., Madison, will pave 3.63 mi. Portage-Baraboo Rd., Federal Aid Project 177, Sauk Co. Work will be done by day labor under supervision of J. H. Gunnison, asst. engr. Noted July 8.

★**Minn., Caledonia**—Houston Co. let contract graveling 20 mi. Federal Aid Project 147, 24 ft. wide, to Thornton Bros., 304 Central Bank Bldg., St. Paul, 226,630.

★**Minn., Faribault**—Rice Co. let contract paving 23 stations, State Rd. 6, 24 ft. wide, concrete, to Schruth & Jackson, 633 Plymouth Bldg., Minneapolis. About $28,700. Noted Jan. 8.

★**Minn., Faribault**—Rice Co. let contract grading 9.8 mi. County Job 2,002, 24 ft. wide, involving 75,078 cu.yd. excav., 157 cu. yd. rein.-con., 1,442 lin.ft. 15-24 in. culverts, also 5.4 mi. County Job 2,001, 24 ft. wide, to J Sampson, St. James, $59,645 and $36,617 respectively. Noted April 1.

★**Minn., St. Paul**—City let contract paving 7,000 lin.ft. various streets in MacAlester Park, involving 60,502 sq.yd. sheet asphalt and 6,757 sq.yd. creosoted block, also 4,063 lin.ft. Cleveland St. from University to Marshall Aves., creosoted wood block on asphalt base, to Fielding & Shepley, 216 University Ave., $253,000 and $93,998 respectively.

★**Kan., Girard**—Crawford Co. let contract grading and building culverts on 2.98 mi. Federal Aid Project 40, Sects. H and I, 18 ft. wide to Maxwell Constr. Co., Columbus, $44,450. Work involves 250 cu.yd. concrete, 39,000 cu.yd. earth excav. and 5½ ton steel.

Kan., Troy—Doniphan Co. received bids July 12, grading and building bridges and culverts on 6.1 mi. Pikes Peak Highway, Federal Aid Project 52, Sects. A, B, C and Z, 18 ft. wide, from Hybskman & Wiley, Seneca, $39,675; Central Constr. Co., Kansas City, Mo., $44,590; C. L. Dolman, 1231 West St., Topeka, $52,072. Noted June 24.

★**Mo., Clayton**—St. Louis Co. let contract grading and paving .57 mi. Susan Ave from Telegraph Rd. to Blow Ave. 12 ft. wide, Telford macadam, to J. Dillon, Clayton, $6,267; grading and building bridges on 3.355 mi. Page Ave. to C. Israel, Clayton, $48,948. Noted June 17.

★**Tex., Cooper**—Delta Co. let contract grading, surfacing and draining 11.7 mi. Highway 39 from here to Hunt Co., 14 ft. wide, to Wear, Thomas & Ratcliff, Rogers, $209,234, including 10% for engineering and contingencies and materials furnished by county. Noted July 15.

★**Tex., Georgetown**—Williamson Co. will grade, surface and drain 5.61 mi. Highway 2 from Granger to Bartlett, 16 ft. wide, $34,562. Work will be done by day labor under supervision of S. Moore, comr. Precinct 3. Noted July 1.

Tex., San Angelo—Tom Green Co. received bids June 30, grading, surfacing and draining, 10 mi. Highway 9 and 9-A, 16 ft. wide, from C. T. Paul, co. judge (representing Tom Green Co.), $170,397; W. H. Martin, San Angelo, $171,597; Brown & Root, Taylor, $300,448. Noted June 24.

★**New Mexico**—State Highway Dept., Capitol Bldg., Santa Fe, let contract grading, surfacing and building structures on 3.902 mi. Federal Aid Project 31 Sierra Co., to Kennedy, Steel & Gilbert, Hillsboro, $21,097, plus 10% for engineering and contingencies; 15.228 mi. Federal Aid Project 47, Grant Co., to La Roe & Burgess, Palestine, Tex., $119,396, plus 10% for engineering and contingencies. Noted June 24.

Streets and Roads (Continued)

★**New Mexico**—State Highway Dept., Capitol Bldg., Santa Fe, let contracts building 15.084 mi. Federal Aid Project 32, including bridges, San Miguel Co., also 12.706 mi. Federal Aid Project 33, including bridges, Mora Co., to J. V. Stryker Constr. Co., Denver, Col., $141,108 and $176,269 respectively, plus 10% for engineering and contingencies. Noted June 24.

★**Ariz., Tombstone**—Bd. Supervs. Cochise Co. let contract grading 6.0198 mi. Sect. E Benson-Vail Highway, Federal Aid Project 18, to Eckerman & Chambers, Tombstone, $77,445. Work involves 7,850 cu.yd. unclassified excav. (surfacing included), at $0.52 per cu.yd., 9,750 cu.yd. borrow (surfacing included), $0.52, 10,440 cu.yd. unclassified excav. (surfacing not included), $0.52, 8,280 cu.yd. borrow (surfacing not included), $0.52, 1,120 cu.yd. unclassified excav. for structures, $1.50, 1,180 cu.yd. unclassified excav. for ditching and channel changes, $0.52, 250 cu.yd. levees, $0.52, 23,480 lb. reinforcing steel, $0.04, 305 lin.ft. 24 in. and 75 lin.ft. 30 in corrugated metal pipe, $1 and $1.20 respectively, 162 cu.yd. Class "A" and 13 cu.yd. Class "C" concrete for bridges, $25 and $18 respectively, 256 cu.yd. Class "A" concrete for bridges and culverts, $25, 118 cu.yd. rubble concrete for bridges and culverts, $20, 362 cu.yd. Class "A" and 79 cu.yd. Class "C" concrete for fords, $20 and $18 respectively.

Ariz., Tucson—Bd. Supervs., Pima Co., received bids July 3, building Sect. B, Benson-Vail Highway, Federal Aid Project 18, from Cotey & Black, Clifton, $168,877. Work involves 29,345 cu.yd. unclassified excav. in roadway, $2.50 per cu.yd., 27,365 cu.yd. unclassified excav. in borrow, $1.50, 1,475 cu.yd. unclassified excav. for structures, $3, 1,670 cu.yd. ditching and channel changes, $1.50, 537 cu.yd. Class "A" concrete for structures over 20 ft. span, $25, 124 cu.yd. rubble concrete, $20, 88 cu.yd. Class "A" concrete in bridges and slab culverts with structures less than 20 ft. span, $20, 163 cu.yd. rubble concrete in bridges, $20, 84 cu.yd. Class "A" concrete in arch and box culverts, $30, 29 cu.yd. Class "B" concrete in arch culverts, $30, 22 cu.yd. Class "B" concrete in slab culverts, $20, 325 cu.yd. Class "A" and 70 cu.yd. Class "C" concrete in fords, $20, 46,342 lb. reinforcing steel, $0.04. Building Mescal Wash Bridge on above highway, involving (a) 840 cu.yd. unclassified excav., (b) 406 cu.yd. Class "A" concrete, (c) 64 cu.yd. Class "B" concrete, (d) 28,592 lb. reinforcing steel, from English & Pierce, 17 West Adams St., Phoenix, (a) $1.75 per cu.yd., (b) $24, (c) $24, (d) $0.04, total $17,347; N. E. Carter, Box 1491, Tucson, (a) $1.65, (b) $26.47, (c) $24.47, (d) $0.03, $18,202. State furnishes cement and steel and amount of bids does not include 10 per cent for engineering and contingencies. **Noted July 17.**

Wash., Everett—City received bids July 7, grading and paving California St. et al, from J. W. Hoover, 1607 Hoyt St., $25,222; E. Bancroft, 3024 Kromer St., $26,042; Fosdick & Refsness, Everett, $26,343.

★**Wash., Port Angeles**—City let contract paving, curbing, building retaining walls, storm and sanitary sewers, drains, etc., in 4,280 lin.ft. Lincoln, 1st, Front and Laurel Sts., 51 ft. wide, concrete, to Woods Bros., Port Angeles, $196,717.

Wash., Seattle—City received only bid July 10, grading and filling 4th Ave. S. et al, involving 333,000 cu.yd. earthwork and embankment, etc., from Grant Smith Co., Henry Bldg., $225,462.

Ore., Portland—City received bids July 7, paving (a) Kerby St. from Portland Blvd. to Dekum Ave., (b) Baltimore St. from Bradford to Crawford Sts., (c) macadamizing College St. from 12th to 16th Sts., (d) building sewer in Killingsworth Ave. from East 8th to East 9th Sts., (e) East 23rd St. from Sumner to Alberta Sts., (f) building Buchanan and Jersey Sts. sewerage System, (g) 41st Ave. S. E. from 56th St. S.E. to 41st Ave. S.E. Sewerage System, (1) 2 in. asphalt concrete top on 4 in. crushed rock base, (2) concrete No. 3, 7 in. thick, (4) asphaltic concrete No. 2, 2 in. top on 4 in. base, (5) cement, (6) vitr. pipe, from United Constr. Co., Northwest Bank Bldg., (a1) $2.30 per sq.yd., total $12,145, (b4) $2.65 per sq.yd., $4,718; Cochran Bros., 415 South Syracuse St., (a2) 2.35 per sq.yd., $11,910, (b3) $2.75 per sq.yd., $4,759; Hahn & Rebman, Portland, (b3) $2.80 per sq.yd $4,633; N. Costanzo, 651 Bway., (c) $7. per sq.yd., $6,685; Joseph & Son, Portland, (d5) $1,484, (e5) $1,093, (g5) $729; Portland Realty & Trust Co., Ry. Exch. Bldg., (d5) $1,513, (e5) $1,046, (g5) $672; Mehemarie & Co., Portland, (d5) $1,527, (e5) $1,117, (f6) $7,020, (g5) $646; Azar & Co., (f5) $8,149; J. Keating, (f5) $8,643.

★**Que., Hull**—City let contract paving Main and Maisonneuve Sts., asphalt, to Ottawa Constr. Co., Central Chambers, Elgin St., Ottawa. About $30,000; cost plus 15%. E. Bedard, City Hall, engr.

★**Ont., Stratford**—City let contract resurfacing various streets with asphalt and removing old asphalt blocks, to Standard Paving Co., Central Chambers, Elgin St., Ottawa. About $45,000.

★**Ont., Walkerville**—Town let contract paving various streets, to Warren Bituminous Paving Co., McKinnon Bldg., Toronto. About $80,500.

Railways

PROPOSED WORK

Ohio.—Cleveland Ry Co., Leader-News Bldg., Cleveland, plan to relay 1,500 ft. double track on Clifton Blvd. from West 117th St. to West Clifton Blvd., involving rock excav., concrete and slag ballast and mass concrete. About $160,405. G. Radcliffe, mgr. H. Clark, ch. engr.

New Brunswick—Canadian National Ry., Ottawa, plans to rearrange yard and build extension for 700 cars, at St. John. About $240,000. C. B. Brown, Moncton, ch. engr.

Quebec—Canadian Government Ry., Ottawa, receives bids in August, building new road from Alfred to St. Ursule. About $2,000,200. H. Kingsland, 160 St. James St., Montreal, engr.

Ontario—Canadian Government Ry., Ottawa, receives bids in August building line from Canadian Natl. R.R. main line 1 mi. east of Harrowsmith, along Valley of Mud Creek to join main line of Grand Trunk at point west of Collins Bay. About $300,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Michigan**—Street Ry. Comn., 410 City Hall, let contracts to J. A. Mercier, 216 Hammond Bldg., Detroit, building Charlevoix-Buchanan Route, involving 62,500 cu. yd. excav., 75,000 sq.yd. 8½ in. concrete foundation, 59,600 ft. 6 in. drain tile, etc., also St. Jean-Shoemaker and Montclair Line, 21,500 cu.yd. excav., 26,300 sq.yd. foundation, 21,300 ft. 6 in. drain tile, etc., $605,531 and $164,730 respectively; to J. Porath, 23 McGraw Bldg., Detroit, Warren Ave. West Line, 10,830 cu.yd. excav., 13,932 sq.yd. foundation, 9,100 ft. 6 in. tile, etc., $78,019; to Lennane Bros., Union Trust Bldg., Detroit, Charlevoix Ave. from Connors Ave. to Detroit Terminal Ry., 3,070 cu.yd. excav., 2,600 sq.yd. foundation, 1,640 ft drain tile, etc., $19,269; to Loraine Steel Co., Loraine, O., furnishing 4,150 ton 91 lb. rail, 307,174 lb. tie rods, 43,080 lb. ¾ in. nuts, 577 kegs track spikes, 704 pair rail splices, 2,158 lb. 1 in. bolts, 80 pieces special work, $553,392. Noted July 15.

★**Missouri**—Kansas City and Leeds Electric Ry., 309 Massachusetts Bldg., Kansas City, let contract building 3 mi. double track including necessary appurtenances from 31st and Hardesty Sts., Kansas City, to Leeds, etc., to Clinton Constr. Co., c/o W. Winner, Kansas City, ch. engr. Noted June 17.

Excavation and Dredging

PROPOSED WORK

Miss., Senatobia—Ditching—Strayhorn Creek D. D. plans to enlarge creek and dig cutoffs in hill valley stream to reclaim land. Work involves about 20 mi. ditching. Southern Eng. Co., Clarksdale, engrs.

B. C., Grand Forks—Irrigation—Provincial Government, Victoria, had detailed surveys made and receives bids in August for installing system in Grand Forks Valley to irrigate 50,000 acres near here. About $350,000.

Wis., Kansasville—Drainage—Racine Co. D. D. (Racine), having plans prepared draining 1,500 acres here, using 6-30 in. tile. J. English, secy. M. Dodge, Washington Bldg., Madison, engr.

Mont., Shelby—Irrigation—Irrigation Dist., Toole Co., plans to irrigate 500,000 acres of land. H. Gerharz, Shelby, chief engr.

BIDS DESIRED

Tenn., Somerville—Drainage—Until Aug. 2, by Bd. Dirs. Cypress Creek D.D. of Fayette and Shelby Counties, clearing right of way of main canal and laterals, involving 348,600 cy.yd. excav.

Ky., Madisonville—Ditches—Until July 31, by Hopkins Co., Drainage Bd., building Greazy Creek Ditch, near here. C. Riddle, secy.; advertised in this issue.

Ill., Mt. Carmel—Levee—Until Aug. 7, by Levee Comrs. Rochester and McClearys Bluff Levee Dist., Wabash Co., at office of A. Kinnard, circuit clk., rebuilding 3½ mi. old levee, to include strengthening and enlargening, involving 82,000 cu.yd. excav. also constructing 6 mi. new levee, 325,000 cu.yd. excav., and clearing 16½ acres right-of-way. G. C. Harvey, Mt. Carmel, engr.

Ia., Sioux City—Ditch—Until Aug. 3, W. M. Prichard, aud, Woodbury Co., building 15,967 ft. Maple River Ditch in Maple River D. D. 1, 18 ft. wide, involving 16,000 cu.yd. excav. C. E. Carlson, Battle Creek, engr.

Ia., Waterloo—Ditch—Until Aug. 2, Bd. Supervs. Black Hawk Co., for tile and open ditch work in Sects. 1-5, D. D. 7, involving 82,357 ft. tile, 10,500 cu.yd. excav. etc. J. A. Francis, co. aud. A. E. Michl, Algona, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Emmetsburg**—Drainage—Palo Alto Co. let following contracts for building D. D. 132; open work, involving 48,030 cu.yd. excav., to Wilson Bros., Benson, Minn., furnishing 14,344 ft. 6-24 in. tile, to Shadbolt & Middleton, Emmetsburg, labor on tile ditches, to A. Eikenwold, Emmetsburg.

★**Ia., Montezuma**—Drainage—Central State Eng. Co., Muscatine, and W. C. McKee, aud. Poweshiek Co., let contract building Bear Creek D. D. 1, involving 476,960 cu.yd. excav., to C. A. Walb, La Grange, Ind.; Bear Creek D. D. 2, 239,443 cu.yd. excav., to Matthews Bros., Galt. Noted June 24.

Industrial Works

PROPOSED WORK

Mass., Boston—Boston & Maine R. R., North Sta., soon lets contract buiilndg 2 story, 60 x 120 ft., brick and mill construction, freight station, at Warren Bridge on Warren Ave. H. B. Fletcher, c/o owners, archts.

Mass., Boston—Haven & Crosby, archts. and engrs., 40 Court St., soon let contract building 3 story, 80 x 240 ft., rein.-con. and steel plant, concrete foundation, on Causeway St., for W. F. Schrafft & Sons Corp., 160 Washington St. About $200,000. Noted July 8.

Mass., Cambridge—J. C. Spofford, archt., 36 Bromfield St., Boston, soon lets contract building 6 story, 100 x 100 ft., rein.-con. plant, rein.-con. flooring, concrete foundation, on Main St., here, for Suffolk Engraving & Electrotyping Co., 394 Atlantic Ave., Boston. About $225,000.

Mass., Chelsea (Boston P. O.)—Walker Bros. Dyeing & Bleaching Co., Clinton St., plans to build plant on Bway. and Clinton St., to replace one recently destroyed by fire. About $50,000. Architect not selected.

Mass., Danvers—Commonwealth of Massachusetts, Comn. on Mental Diseases, 36 State House, Boston, having plans prepared by Kendall, Taylor & Co., archts. and engrs., 93 Federal St., Boston, for 1 story, brick, steel and concrete power plant at State Insane Hospital, here. About $250,000.

Mass., Dorchester (Boston P. O.)—M. H. Maney, archt., 16 Paisley Park, soon lets contract building 1 story, 95 x 165 ft., brick and concrete addition to garage, rein.-con. flooring, concrete foundation, on Holmes Ave., for Byrne Realty Co., 435 Geneva Ave. About $50,000. Noted July 15.

Mass., Fitchburg—Fitchburg Gas & Electric Co. plans to remodel and build addition to plant. About $600,000. C. Tenney, 201 Devonshire St., Boston, engr.

Mass., New Bedford—K. C. Richmond, archt. and engr., 526 Grosvenor Bldg., Providence, R. I., soon lets contract building 4 story, 100 x 120 ft., brick and steel storehouse, concrete foundation, on Purchase St., for Beacon Mfg. Co. About $175,000.

Mass., New Bedford—LaBrode & Ballard, archts., 255 Union St., soon let contract building 2 story, brick and concrete service station, rein.-con. flooring, concrete foundation, on Purchase St., for Motor Sales Co., 514 Pleasant St. About $100,000.

Mass., New Bedford—J. C. Rhodes & Co., Inc., 123 Front St., soon lets contract building 4 story, brick and steel addition to plant, concrete foundation, on Front and 4th Sts. About $150,000. Private plans.

Mass., Salem—J. J. McAuliffe and W. J. Fox, 150 Washington St., plans to build 1 story, brick, concrete and steel garage, on Washington and Norman Sts. About $50,000. Architect not selected.

Mass., Taunton—Municipal Lighting Comn. plans to build large 1 story, brick, steel and concrete addition to electric light plant, on West Water St. Architect will be named shortly.

R. I., Providence—Lockwood, Greene & Co., engrs. and archts., 60 Federal St., Boston, soon lets contract building 2 story, 110 x 175 ft., rein.-con. dye house, rein.-con. flooring, concrete foundation, for Franklin

Industrial Works (Continued)

Process Co., 29 Promenade St. About $150,-... Noted May 20.

R. I., Woonsocket—Lafayette Worsted ... Hamlet Ave., having plans prepared ... W. F. Fontaine, archt., Federal Bldg., ... 2 story, 135 x 250 ft., brick and mill construction addition to plant, concrete foundation. About $200,000.

Conn., Bridgeport — Economy Mfg. Co., ... Main St., plans to build brick and steel factory, on Brewster St. About $75,-... Architect not selected.

Conn., Bridgeport—Westcott & Mapes, Inc., engrs. and archts., 207 Orange St., New Haven, soon receive bids building 1 story, 140 x 150 ft., brick, concrete and steel power plant, rein.-con. flooring, concrete foundation, on East Main St., here, for United Illuminating Co., 84 Temple St., New Haven. About $1,500,000.

Conn., Hartford—Comrs. Fire Dept. soon let contract building 2 story, 50 x 125 ft., brick and concrete machine shop, rein.-con. flooring, concrete foundation, on John St. About $125,000. Whiton & McMahon, 36 Pearl St., archts. Noted May 27.

Conn., Hartford—D. D'Amico, 503 Albany Ave., having plans prepared by D. A. Guerriero, archt., 647 Main St., for 2 story, 80 x 80 ft., brick, concrete and steel garage, rein.-con. flooring, concrete foundation, on Morgan St. About $50,000.

Conn., Montville—R. Gair & Co., 50 Washington St., New York City, having revised plans prepared by W. Higginson, archt. and engr., 18 East 41st St., New York City, for 2 story addition to waste paper plant, rein.-con. and steel, rein.-con. flooring, concrete foundation, here. About $500,000.

Conn., New Haven—Natl. Folding Box & Paper Co., James St., plans to build addition to plant. Architect not selected.

Conn., Stamford—Perfection Enameling & Painting Co., Main and Grove Sts., plans to build 3 story, 100 x 125 ft., concrete and steel plant. Private plans.

N. Y., Freeport—Village plans to improve lighting system. About $63,000.

N. J., Jersey City—Amer. Butterine Co., 107 Hudson St., had plans and specifications prepared for 4 story, rein.-con. factory, office, etc., on 8th and Henderson Sts. About $100,000.

Pa., Norristown—Wildman Mfg. Co. soon lets contract building addition to foundry, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $75,000. Lockwood, Green & Co., 101 Park Ave., New York City, archts. and engrs.

Pa., Scranton — Bour Refractories Co., Laurel Line and Front St., plans to build 3 story, 90 x 200 ft., rein.-con. and steel refractories, rein.-con. flooring, rock foundation, on Stafford Ave. About $300,000. Architect not selected.

Pa., Scranton—Edison Lamp Co. plans to build 3 story, 100 x 100 ft. bulb blowing plant, brick and steel, rein.-con. flooring, rock foundation, on Washington Ave. About $200,000. Architect not selected.

Va., Richmond—A. G. Jones, 1418 East Main St., having plans prepared by Moores & Dunford, archts., 38 South Dearborn St., Chicago, for 7 story, 70 x 150 ft., rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation. About $400,000.

N. C., Forest City—Florence Mills having plans prepared by J. E. Sirrine, archt. and engr., Greenville, S. C., for 3 story, 50 x 80 ft. mill construction plant.

N. C., Four Oaks—Ivanhoe Mfg. Co., Smithfield, plans to build 1 story, 40 x 50 ft. mill, also warehouse and small heating plant, here, mill construction. J. E. Sirrine, Greenville, S. C., engr.

S. C., Fairmont—Fairmont Mfg. Co. having plans prepared by J. E. Sirrine, archt. and engr., Greenville, for 2 story 40 x 80 ft. warehouse and 1 story 40 x 80 ft. wastehouse, mill construction.

La., New Orleans—Presto-Lite Co., 30 East 42nd St., New York City, plans to build 2 story, concrete, brick and steel acetylene plant on Anthony and St. Louis Sts., here. About $200,000

O., Cincinnati — Edwards Mfg. Co., 3rd and Eggleston Aves., having plans prepared for 4 or 6 story, 95 x 308 ft. warehouse.

O., Cincinnati—Lunken Window Co., 4018 Cherry St., plans to build 2 story, 25 x 100 ft. factory.

O., Cleveland—J. Laronge Co., c/o J. H. Dickman, 214 Williamson Bldg., having plans prepared by J. L. Weinberg, archt., Schofield Bldg., for 1 story, 50 x 120 ft., brick and steel garage, rein.-con. flooring, brick foundation, on East 16th St. and St. Clair Ave. About $75,000.

O., Cleveland—Walter Ice Co., c/o A. C. Bishop, archt. and engr, Guardian Bldg., having plans prepared for a 1 story, 45 x 146 ft. brick and steel plant, brick foundation, on West 25th St. About $75,000.

Ind., East Chicago—Carrol Castings Co. purchased site and plans to build plant along tracks of Indiana Harbor Belt R.R.

Ind., Hammond — Union R.R. Equipment Co., 332 South Michigan Ave., Chicago, having plans prepared by F. D. Chase, Inc., archts and engrs., 645 North Michigan Ave., Chicago, for 1 story, 75 x 125 ft., forge shop, concrete, brick and steel, concrete foundation. About $125,000.

Ind., Indianapolis — U. S. Corrugated Fiber Box Co., Martindale and Roosevelt Aves., having plans prepared by C. E. Bacon, archt., 617 Merchants Bank Bldg., for 4 story, 100 x 160 ft., rein.-con. and brick factory, rein.-con. flooring. About $125,000.

Ind., Mooresville—Van Briggle Mfg. Co., 429 North Capitol Ave., Indianapolis, had plans prepared by C. E. Bacon, archt., 617 Merchants Bank Bldg., Indianapolis, for 4 story, 80 x 300 ft., rein.-con. steel and brick factory and office. About $225,000.

Ill., De Kalb—Vassar Swiss Underwear Co., 2545 Diversey St., Chicago, having plans preparing by F. D. Chase, Inc., engr., 645 North Michigan Ave., Chicago, remodeling 1 story, rein.-con. armory, here, into knitting mill. About $50,000.

Wis., Ft. Washington—Turner Mfg. Co. having plans prepared by F. D. Chase, Inc., engr., 645 North Michigan Ave., Chicago, for 1 story, brick and steel foundry, concrete foundation. About $75,000.

Wis., Kenosha—Greiner-Nash Co., 266 Wisconsin St., plans to build 1 story, 80 x 162 ft., concrete and brick garage and repair shop, concrete flooring and foundation, on Chicago St. Architect and engineer not selected.

Wis., Pickett—A. H. Fortnum, c/o State Bank of Ripon, Ripon, plans to build 3 story, 50 x 100 ft. canning factory and 2 story, 100 x 100 ft. warehouse. About $75,000.

Wis., Port Wing—T. N. Okerstrom retained J. C. Jacobson, engr., 533 Metropolitan Bank Bldg., Minneapolis, to prepare plans for power plant and high dam, on Iron River, 160 ft. long, 75 ft. head, to develop 16,000 hp. About $200,000.

Minn., Minneapolis—Russell Grader Mfg. Co., 2037 University Ave., S. E., having plans prepared by E. R. Ludwin, and Sund & Dunham, archts., 512 Essex Bldg., for 1 story, 424 x 600 ft. rein.-con., brick and steel factory on Kennedy St., near Stinson Blvd. About $250,000. Noted Mar. 18.

Tex., Port Arthur—Eastern Texas Electric Co. plans to build addition to generating station, cost, $600,000; also install 4,000 k.w. turbo-generator, two 665 h.p. boilers with auxiliary equipment and pumps. J. Bowers, supt., Stone & Webster, Inc., 147 Milk St., Boston, Mass., engrs.

Que., Levis—Levis Pulp & Paper Co. receives bids about Aug. 1 building mill on St. Romauld Rd. About $500,000. Address, Engineer, c/o J. Breakley, Breakerville St., Levis.

Que., Montreal—Standard Iron & Chemical Co., 524 Ambrose St., soon receives bids building 4 story, brick and steel addition to plant, concrete foundation. Cost to exceed $100,000.

Que., Westmount—See "Streets & Roads."

Ont., London—Grand Trunk Ry. Dundas St., is preparing plans and soon receives bids for reclamation yards, including 3 buildings equipped with machinery for salvaging wrecked and worn-out cars. About $300,000. F. L. C. Bond, Montreal, Que., ch. engr.

Ont., Port Arthur—Kaministiquia Pulp & Paper Co. having plans prepared by C. D. Howe, engr., Port Arthur, for timber mill, concrete foundation, of 30 ton daily capacity. About $1,000,000.

Ont., Toronto—Canada Bread Co., Ltd., 160 Avenue Rd., having plans prepared by McCormack Co., archts. and engrs., Century Bldg., Pittsburgh, Pa., for 2 story, 82 x 182 ft. bakery and 3 story, 52 x 81 ft. stable, both rein.-con., rein.-con. flooring. Cost between $300,000 and $400,000.

BIDS DESIRED

Mass., Watertown—Lockwood Green & Co., engrs. and archts., 60 Federal St., Boston, receiving bids building 1 story, 200 x 230 ft., brick and mill construction foundry, rein.-con. flooring, concrete foundation, for Walker & Pratt Mfg. Co., 31 Union St., Boston.

SEWERAGE SYSTEM—FT. MADISON, IOWA

Bids were received by city or constructing sanitary sewerage system, from (A) National Constr. Co., Davenport, (awarded contract); (B) Tibbetts & Pleasant, 202 Daniels Bldg., Tulsa, Okla.; (C) O. P. Herrick, 704 Observatory Bldg., Des Moines. The unit bids were as follows:

	A	B	C
102,585 lin.ft. furnishing and laying 8-in. standard sewer pipe	$0 55	$0 59	$0 85
16,370 lin.ft. furnishing and laying 10-in. standard sewer pipe	70	73	85
3,005 lin.ft. furnishing and laying 12-in. standard sewer pipe	85	93	1 05
4,864 lin.ft. furnishing and laying 15-in. standard sewer pipe	1 10	1 23	1 35
1,170 lin.ft. furnishing and laying 18-in. standard sewer pipe	1 35	1 37	1 50
4,945 lin.ft. furnishing and laying 15-in. D.S. sewer pipe	1 35	1 37	1 50
3,930 lin.ft. furnishing and laying 18-in. D.S. sewer pipe	1 60	1 63	1 75
683 lin.ft. furnishing and laying 24-in. D.S. sewer pipe	2 96	2 81	2 95
15,905 lin.ft. excavating and refilling trench, 0 to 6 ft	1 00	1 13	1 05
22,950 lin.ft. excavating and refilling trench, 6 to 8 ft	1 10	1 37	1 30
49,990 lin.ft. excavating and refilling trench, 8 to 10 ft	1 35	1 68	1 90
27,230 lin.ft. excavating and refilling trench, 10 to 12 ft	2 25	2 06	2 00
13,290 lin.ft. excavating and refilling trench, 12 to 14 ft	3 00	2 85	2 80
5,130 lin.ft. excavating and refilling trench, 14 to 16 ft	4 50	4 06	4 00
1,945 lin.ft. excavating and refilling trench, 16 to 20 ft	7 60	6 85	6 80
420 lin.ft. excavating and refilling trench, 20 to 24 ft	10 00	8 85	8 80
3,060 lin.ft. excavating 6 in. on 8 in. standard Y-connection	90	93	1 00
445 excavating 6 in. on 10 in. standard Y-connection	1 25	1 23	1 25
20 excavating 6 in. on 12 in. standard Y-connection	1 65	1 57	1 50
70 excavating 6 in. on 15 in. standard Y-connection	2 25	2 40	2 50
20 excavating 6 in. on 18 in. standard Y-connection	3 00	2 90	3 00
170 excavating 6 in. on 15 in. D.S. Y-connection	2 75	2 85	3 00
70 excavating 6 in. on 18 in. D.S. Y-connection	3 50	3 95	4 00
6 excavating 6 in. on 24 in. D.S. Y-connection	6 00	6 60	6 00
260 lin.ft. furnishing and laying 6-in. c.i. pipe, Class "A"	4 50	4 20	4 00
380 lin.ft. furnishing and laying 8-in. c.i. pipe, Class "D"	7 50	6 85	6 00
996 lin.ft. furnishing and laying 14-in. c.i. pipe, Class "D"	12 10	11 85	10 00
12 lin.ft. furnishing and laying 24-in. c.i. pipe, Class "D"	16 00	19 50	20 00
301 manholes	100 00	103 00	100 00
21 lampholes	38 00	39 00	40 00
77 flushtanks	150 00	165 00	150 00
6 old manholes converted into flushtanks	75 00	78 00	80 00
23 old outlets converted into lampholes	29 00	29 00	25 00
1,590 sq.yd. brick paving—concrete base	5 15	5 90	6 00
1,720 sq.yd. two course brick paving	5 00	5 63	5 50
345 sq.yd. macadam paving	3 15	3 45	3 50
150 sq.yd. concrete paving	3 50	4 45	4 50
27 sq.yd. Class "B" concrete	25 50	29 00	28 00
15,000 ft. lumber in trench, b.m.	95 00	100 00	110 00
5,000 lin.ft. ¾-in. foot connection installed complete	90	1 00	90
10,000 lin.ft. ¾-in. foot connection installed complete	1 00	1 10	1 15
Bluff St. ejector sta., as per plans (lump sum)	7,646 00	10,445 00	10,000 00
Miller St. ejector sta. (lump sum)	17,244 00	23,200 00	23,000 00
Equipment at Bluff St. station (lump sum)	6,550 00	6,420 00	6,500 00
Equipment at Miller St. station (lump sum)	11,465 00	11,235 00	11,000 00
100 cu.yd. earth excavation Bluff St. station	2 50	2 30	2 50
16 cu.yd. Class "B" concrete, Bluff St. station	30 00	30 00	30 00
250 cu.yd. earth excavation, Miller St. station	2 75	2 30	2 50
95 cu.yd. Class "A" concrete, Miller St. station	35 00	35 00	30 00
30 cu.yd. Class "B" concrete, Miller St. station	30 00	30 00	25 00
15,000 lb. reinforcing steel, Miller St. station	095	10	09
Make of ejector equipment	P.F.T.	P.F.T.	P.F.T.
Extended totals	$487,248	$520,671	$552,139

Industrial Works (Continued)

La., New Orleans—Packers Architectural & Eng. Co., archts. and engrs., 431 South Dearborn St., Chicago, Ill., receiving bids constructing packing plant, here, including 2 story, 100 x 198 ft. main building, 1 story, 57 x 67 ft. power house and 2 story, 24 x 36 ft. reduction plant, rein.-con., brick and steel, rein.-con. flooring, concrete foundations, for Arabi Packing Co. About $400,000.

Ky., Louisville—Dixie Belle Refining Co., 701 Inter. Sou. Bldg., receiving bids building refinery on Western Parkway. About $500,000. C. B. Haun, c/o Dixie Belle Refining Co., archt. Noted July 15.

O., Cleveland—Until July 30, by Christian-Schwarzenberg & Gaede, archts., 1900 Euclid Ave., building 1 story, 150 x 200 ft. brick and steel warehouse on Kraukau Ave., for Fishel & Marks, East 68th St. and Krakau Ave. About $100,000.

O., Cleveland—Until Aug. 2, by Waite Taxi & Livery Co., 1467 East 6th St., building 2 story, 66 x 280 ft., rein.-con., steel and brick garage, rein.-con. flooring, brick foundation, on Superior Ave. near East 12th St. About $200,000. Noted May 6.

O., East Cleveland (Cleveland P. O.)—Until July 30, by Bd. Educ., building 1 story, 48 x 66 ft. heating plant, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at Prospect School. C. Ammerman, clk. About $100,000. Noted July 8.

Ill., Chicago — Henshein & McLaren, archts., 37 West Van Buren St., receiving bids building 3 story, 115 x 170 ft., rein.-con. and brick packing plant, rein.-con. flooring, concrete foundation, on West 39th St. and Emerald Ave., for D. Levi & Co., West 40th St. and Packers Ave. About $350,000.

Mo., Kansas City—Kansas City Macaroni Co., 401 Grand Ave., receiving bids building 4 story, 50 x 100 ft., rein.-con. stone and brick factory, rein.-con. flooring, on Pacific and Campbell Sts. About $50,000. H. F. Brandenburger, 517 Mur Bldg., archt.

Wash., Prossor—Nyburg & Galliven Fruit Co., Box 297, receiving bids building cold storage plant. About $75,000.

Que., Montreal—Hudon Hebert Co. Ltd., 18 De Bres St., receiving bids building 2 story, 40 x 72 ft. concrete, brick and steel garage, concrete foundation on Papineau Ave. About $50,000. C. Dufort, 195 St. Catharine St., archt.

Ont., Ft. William—Until Aug. 1, by J. G. Sutherland, archt., City Natl. Bank Bldg., Dayton, O., building mill at mouth of Mission River, for Ft. William Pulp & Paper Co., Ltd., Ft. William. About $1,000,000.

Ont. Port Arthur—Until Aug. 15, by Nipigon Fibre & Paper Mills, Ltd., building 40 ton mill in Nipigon Dist. About $200,000. J. A. Little, Port Arthur, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates Award of Contract)

★**Me., Augusta**—State Highway Comn., Augusta, let contract building 2 and 3 story, 80 x 410 ft., brick and rein.-con. garage and machine shop, rein.-con. flooring, concrete foundation, on Grove St., to T. F. Moreau & Co. 468 Lisbon St., Lewiston. About $250,000.

★**Me., Lewiston**—See "Buildings."

★**Mass., Brookline**—B. Davies, Albany any Oswego Sts., Boston, will build 1 story, 70 x 220 ft., brick and concrete garage, rein.-con. flooring, concrete foundation, on Brainerd Rd. About $80,000. Work will be done by day labor. Noted July 8.

★**Mass., Chicopee Falls**—Chicopee Mfg. Co., West Main St., let contract building 1 story, 150 x 250 ft. weave shed, brick and steel, rein.-con. flooring, concrete foundation, to F. T. Ley & Co., Inc., 499 Main St., Springfield. About $130,000.

★**Mass., Fall River**—New England Oil Co. will build 17 x 25 ft. oil receiver house, 32 x 74 ft. and 45 x 181 ft. oil condensers, 20 x 95 ft. and 61 x 125 ft. oil stills and 24 x 40 ft. addition to boiler house, all 1 story, brick, concrete and steel, rein.-con. flooring, concrete foundations, along Taunton River. About $100,000. Work will be done by day labor.

★**Mass., Holyoke**—New England Tire & Rubber Co., 285 High St., let contract building 3 story, 110 x 210 ft., brick and steel factory on Main St., to Casper Ranger Constr. Co., 20 Bond St. About $350,000. Noted July 8.

★**Mass., Lynn**—General Electric Co., 84 State St., let contract building 1 story, brick, concrete and steel plant, rein.-con. flooring, concrete foundation, to C. W. Wright, 23 Central Ave. About $100,000. Noted June 17.

★**Mass., Springfield** — Westinghouse Electric & Mfg. Co., Page Blvd., will build 1 and 2 story, 125 x 160 ft., brick and concrete foundry, concrete foundation. About $60,000. Work will be done by day labor.

★**Conn., Cedar Hill** (New Haven P. O.)—New York, New Haven & Hartford R. R. will build 1 story, 100 x 160 ft., brick and concrete addition to machine shops, here. About $60,000. Work will be done by day labor.

★**Conn., Hartford**—Hartford Auto Club Garage Co., 36 Pearl St., will build 7 story, 147 x 150 ft., brick, rein.-con. and steel garage, club, showroom and office, rein.-con. flooring, concrete foundation, on Hicks and South Ann Sts. About $500,000. Work will be done by day labor. Noted June 3.

★**N. Y., Brooklyn**—W. Wrigley, Jr., Metropolitan Ave., let contract building 87 x 380 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, to Barney-Ahlers, 110 West 40th St., New York City. About $100,000.

★**N. Y., Long Island City**—McEvoy & Smith, archts. and engrs., Queens Plaza Court, let contract to G. Violante, Astoria, building rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Ely and Sunswick Aves., for Hellman Motor Corp., c/o architects. About $75,000. Noted June 10.

★**N. Y., Long Island City**—Stein-Hall & Co., Inc., 61 Bway., New York City, let contract building 4 story, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on 6th and Jackson Aves., here, to Turner Constr. Co., 244 Madison Ave., New York City. About $400,000.

★**N. Y., New York**—Hill-Ware Co., c/o McCormick Co., archts. and engrs., 41 Park Row, let contract building brick, steel and concrete bakery, rein.-con. flooring, concrete foundation, on 165th St. and Park Ave., to Niewenhous Bros., Inc., 316-318 East 161st St. About $100,000. Noted July 1.

★**N. Y., New York**—H. Kauffman & Sons, 206 Division St., will build 3 story, 25 x 150 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on South St. About $75,000. Work will be done by day labor.

★**N. J., Bound Brook**—C. H. Pierce Estate let contract building 1 story, 75 x 215 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, to Levering & Garrigues, 552 West 23rd St., New York City. About $50,000.

★**N. J., Camden**—Victor Talking Machine Co., Front and Cooper Sts., let contract building 1 story, 400 x 430 ft. concrete warehouse on River Ave. and State St. to Turner Constr. Co., 1713 Sansom St., Phila. Noted May 13.

★**Pa., Cedar Grove** (Phila. P. O.)—J. F. Stokes, 17th and Cambria Sts., let contract building 1 story, 90 x 160 ft. and 140 x 300 ft. chemical plant, brick and steel, to J. N. Gill, Otis Bldg., Phila.

★**Pa., Phila.**—L. Brenner & Sons & Perloff, 837 North American St., let contract building 6 story, 100 x 160 ft., rein.-con. warehouse on Delaware and Poplar Sts. to Cramp & Co., Denckla Bldg. About $200,000.

★**Pa., Scranton**—Amer. Grocery Co. let contract building 3 story, 50 x 100 ft. wholesale grocery, brick and steel, rock foundation, on Dockash St., to Barrett Eng. Co., Real Estate Bldg. About $100,000.

★**Pa., Scranton**—Bosak Mfg. Co. let contract building 3 story, 55 x 137 ft., rein.-con. and steel factory, rein.-con. flooring, rock foundation, on South Washington Ave., to H. Beilman, Ash St. About $201,000.

★**Pa., Scranton**—Linder Bros. let contract building 3 story, 90 x 160 ft. garment factory, brick and steel, rock foundation, on Capouse and Poplar Sts., to E. A. Fuller Co., Dickson Ave. About $155,000.

★**Pa., Scranton**—Scranton Button Co., 409 Cherry St., let contract building 1 story, 85 x 85 ft., brick and timber factory, rock foundation, on Washington Ave., to Washburn-Williams Co., Meridian St. About $50,000.

★**Md., Baltimore**—Canton Co., Commerce and Water Sts., let contract building 6 story, 80 x 153 ft., rein.-con. and brick addition to warehouse, concrete foundation, on 12th Ave. and 6th St., to Sanford & Brooks Co., 24 Commerce St. About $100,000, cost plus percentage basis.

★**O., Cleveland**—Cleveland Electric Illuminating Co., Illuminating Bldg., let contracts building two 2 story additions to sub stations, one 40 x 66 ft., at 2002 East 65th St. and one 36 x 49 ft., at 1753 East 17th St., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to F. E. Hanselman, 408 Illuminating Bldg., $75,000 and $60,000 respectively.

★**O., Cleveland** — Natl. Lamp Co., Nela Park, East Cleveland, let contract building 1 story, 50 x 100 ft., rein.-con., steel and brick garage, rein.-con. flooring, concrete foundation, on East 45th St. and Hough Ave., to S. Emerson Co., 1900 Euclid Ave. About $75,000.

★**O., Cleveland**—W. D. Sixt, c/o S. H. White, archt., Schofield Bldg., let contract building 2 story, 60 x 110 ft., rein.-con. steel and brick garage and sales room, rein.-con. flooring, concrete foundation, at 6822 Euclid Ave., to E. Wetzig, 650 East 125th St. About $100,000. Noted June 24.

★**O., Middletown**—Advance Bag Co., 15 North Bway., let contract building 3 story, 65 x 300 ft., rein.-con., steel and brick addition to factory, brick and concrete foundation, to J. R. Stevens, Odd Fellows Temple, Cincinnati, $150,000.

★**Ind., Indianapolis**—McCoy & Garten, 515 South Senate St., let contract building 4 story, 81 x 190 ft., rein.-con. and steel warehouse, on South St., to Bedford Stone & Constr. Co., Fletcher Saving & Trust Bldg. About $300,000; cost plus percentage basis.

★**Ind., Indianapolis**—Pioneer Brass Wks., 424 South Pennsylvania St., let contract building 1 story, 200 x 300 ft., rein.-con. brick and steel factory, rein.-con. flooring on 23rd St. along tracks of Lake Erie & Western R. R., to J. G. Karstedt Constr. Co., 429 Lemcke Bldg.; cost plus percentage basis.

★**Ind., West Hammond** — La Salle Iron Wks., 2305 South Halsted St., Chicago, let general contract building 1 story, 210 x 560 ft., brick and steel plant, concrete foundation, to Broline-Nolan Co., 8 South Dearborn St., Chicago. About $650,000, including equipment. Noted June 24.

★**Mich., Detroit**—Walker Saxe Motor Car Co., 1525 Gratiot Ave., let contract building 1 story, 119 x 135 ft., rein.-con., brick and steel garage and service station, rein.-con. flooring, concrete foundation, to J. Bollin Co., 906 Bellevue Ave. About $50,000.

Mich., Detroit—Water Bd. received bids furnishing labor and material building 1 story, 90 x 120 ft. machine shop, brick and steel, rein.-con. flooring, concrete foundation, from Martin & Krausmann Co., 747 Garland Ave., $20,916; Hanna, Zabriski & Daron, 1856 Penobscot Bldg., $24,250.

★**Mich., Kalamazoo**—R. E. Fair, Rose and Water Sts. let contract building 2 story, 100 x 175 ft., concrete and brick service station and storage, to A. J. De Koning, Kalamazoo. About $110,000.

★**Mich., Pontiac**—Pontiac Oakland Sales Co. let contract building garage and show room, to I. J. Isrigg, High School Bldg. About $60,000.

★**Ill., Chicago**—Abbot Laboratories, 4753 Ravenswood Ave., will construct chemical manufacturing plant, to include ten 1 story buildings, rein.-con., concrete foundations, to cover 55,000 sq.ft. floor space, at 4800 Ravenswood Ave. About $225,000. Work will be done by day labor.

★**Ill., Chicago**—Ajax Forge Co., 2503 Blue Island Ave., let contract building 65 x 200 ft. and 80 x 400 ft. forge plant, also small boiler shop, brick and steel, concrete foundations on Hoyne and Blue Island Aves., to C. B. Johnson & Son, 111 West Washington St. About $300,000.

★**Wis., Waukesha** — Waukesha Casting Co., 340 Bway., let steel contract for 1 story 120 x 130 ft., brick and steel foundry, concrete flooring and foundation, to Federal Bridge Co., Lincoln Ave. About $50,000. Noted July 15.

★**Mo., St. Louis**—Columbia Taxi Cab Co., 4539 Delmar Blvd., let contract building 1 story, 150 x 150 ft., brick and steel garage, to Kellerman Constr. Co., Victoria Bldg. About $100,000.

★**Mo., St. Louis**—Ralston-Purina Co., 821 South 8th St., let contract building 5 story flour and feed mill, rein.-con. and brick, on 8th and Gratiot Sts., to Fruin Colnon Constr. Co., Merchants Laclede Bldg. About $50,000.

★**Ont., Oakville**—Oakville Basket and Veneer Wks., will build 3 story, 80 x 170 ft. concrete and brick factory, concrete foundation, on Lake Shore Rd. About $150,000. Work will be done by day labor. Noted April 1.

★**Ont., Toronto**—Grinnell Co., Ltd., let contract building 1 story, 100 x 150 ft., rein.-con., brick and steel foundry, rein.-con. flooring, concrete foundation, to Anglin-Norcross Co., Ltd., Toronto. Noted Mar. 18.

Buildings

PROPOSED WORK

Vt., Pittsford — Hospital—Vermont Sanitorium plans to build hospital. About $250,000. Architect not selected.

Mass., Arlington (Boston P. O.)—High School—School Com. soon receives bids building 3 story, 65 x 140 ft., brick and

Buildings (Continued)

...el, on Massachusetts Ave. About $150,-... H. B. S. Prescott, 12 Pearl St., Boston, ...cht. Noted July 8.

Mass., Brighton (Boston P. O.)—School—...l. Educ., Boston, plans to build 2 story, 10 ...om brick, concrete and steel addition to Thomas Gardner School, here. About $225,-... Architect not selected.

Mass., Brockton—Theatre—A. H. Bow-...tch, archt. and engr., 44 Bromfield St., Boston, soon lets contract building 2 story, ... x 190 ft., brick, rein.-con. and steel, ...in.-con. flooring, concrete foundation, on Main St., for Dreyfus & Bardol, 17 Milk St., Boston. About $300,000. Noted May 20.

Mass., Dorchester (Boston P. O.)—School—Bd. Educ., Boston, plans to build 2 story, 12 room, brick, concrete and steel school in Mather School Dist., cost $250,000 and brick, rein.-con. and steel addition to Edward Everett School, on Northampton St., $200,000. Architect not selected.

Mass., East Boston (Boston P. O.)—School—Bd. Educ., Boston, plans to build brick, rein.-con. and steel addition to Emerson School, here. About $300,000. Architect not selected.

Mass., Holyoke — Business — Holyoke Water Power Co., 1 Canal St., plans to construct brick and concrete, on Dwight St. About $150,000. Architect not selected.

Mass., Jamaica Plain (Boston P. O.)—Theatre—F. Green, 37 Tremont St., Boston, having plans prepared by W. Dykeman, archt., 120 Tremont St., Boston, for 1 story, brick and steel, rein.-con. flooring, concrete foundation, on Hyde Sq., here. About $150,000.

Mass., Malden (Boston P. O.)—Business—Trafton Realty Co., Common Sq., plans to build 5 story, brick, rein.-con. and steel. About $150,000. Architect not selected.

Mass., Montague — Theatre and Store — Perry & MacNaughton, archts., 19 Congress St., Boston, soon let contract building 1 and 2 story, 70 x 100 ft., brick and steel, concrete foundation, here, for D. J. Shea, Turners Falls. About $100,000. Noted May 27.

Mass., Northampton—Auditorium—Smith College plans to build brick, concrete and steel, on campus. About $150,000. W. A. Neilson, pres. Architect not selected.

Mass., Palmer—Housing-Wickwire—Spencer Steel Corp., 69 Hammond St., Worcester, plans to build 2 story, frame houses for workmen, concrete foundations, near plant, here. About $125,000. Private plans.

Mass., Quincy (Boston P. O.)—Dormitory—Eastern Nazarene College, Wollaston Park, plans to build 3 story, 40 x 120 ft., brick and steel. About $125,000. Architect will be named soon.

Mass., Roxbury (Boston P. O.)—School—Bd. Educ., Boston, plans to build 2 story, 20 room, brick, concrete and steel high school, here. About $400,000. Architect not selected.

Mass., Roxbury (Boston P. O.)—School—Bd. Educ., Boston, having plans prepared by J. E. Ritchie, archt., 8 Beacon St., Boston, for 2 story, brick, limestone and steel, on Paulding St., here. About $242,000.

Mass., Roxbury—Theatre—Humbolt Ave. Theatre Corp., c/o D. H. Brand, 245 Humbolt Ave., having plans prepared by Funk & Wilcox, archts., 1148 Old South Bldg., Boston, for 2 story, brick and steel. About $150,000.

Mass., Sharon—School—School Bd. having plans prepared by Monks & Johnson, archts., 99 Chauncey St., Boston, for 3 story, brick and steel. About $100,000.

Mass., South Byfield — School — Dummer Academy plans to build 3 story brick and concrete. About $150,000. Architect not selected.

Mass., Springfield—High School — Bd. Educ. having plans prepared by H. L. Sprague, archt., 310 Main St., for 3 story, brick, concrete and steel, on State St. About $800,000.

Mass., Wakefield — High School — Bd. Educ. rejected bids building 3 story, 208 x 250 ft., on Main St. About $450,000. Project postponed. F. I. Cooper Corp., 33 Cornhill St., Boston, archts. Noted June 3.

Mass., West Roxbury (Boston P. O.)—School—Bd. Educ., Boston, rejected only bid and will have revised plans prepared by Andrews, Rantoul & Jones, archts., 50 Congress St., Boston, for 3 story, brick and steel addition to Mary Lyons High School, rein.-con. flooring, concrete foundation, on Elm St., here. About $165,000. Noted June 17.

Mass., Williamstown — Community — Town having plans prepared by G. C. Harding, archt., 7 North St., Pittsfield, for 2 story, brick and limestone, on Main St. About $100,000.

Mass., Williamstown—School—School Bd. plans to build 2 story, 10 room, brick and steel, on School St. About $125,000. Architect not selected.

Conn., Hartford — Hospital — St. Francis Hospital plans to alter present building and construct 3 story, brick, rein.-con. and steel ward buildings, rein.-con. flooring, concrete foundations on Woodland St. About $500,-000. Private plans.

Conn., Hartford—School—I. A. Allen, Jr., Inc., archts. and engrs., 904 Main St., rejected bids received July 1, building 3 story, 108 x 139 ft., on Talcott St., for Bd. Educ. About $600,000. Project postponed indefinitely. W. E. Cone, 89 Asylum St., chn.

Conn., Meriden—Hospital—Meriden City Hospital, Cook Ave., plans to alter and build addition to hospital. About $300,000. Architect not selected.

Conn., Milford—Hospital—Milford Hospital, Inc. having plans prepared by J. W. Skinner, archt., 1188 Main St., Bridgeport, for 3 story, brick, concrete and steel. About $100,000.

1500 Years to replace U.S. Railways

In the first half of 1920 contracts let for trackwork on the steam railways of the United States amounted to $3,600,000, both for extension of route and for switching, according to the 14 tracklaying contracts that have been noted in the construction pages of *Engineering News-Record*.

Accepting 20 billion dollars as being the total valuation of the railways, the trackage would be valued at about $5,400,000,000.

At the present rate of construction, present prices persisting, the railway system of the United States could be replaced in 1500 years.

Are the railways keeping pace with the other industries?

Conn., New Haven—Hospital—New Haven Hospital soon lets contract for additions to present hospital and constructing new buildings to include private room ward, children's ward, nurses' building, also home and service building, brick, rein.-con. and steel, rein.-con. flooring, concrete foundations, on Cedar St. About $1,100,000. C. S. Palmer, 191 Church St., archt.

Conn., New Haven—Office—City plans to construct large office building. D. Fitzgerald, mayor. Architect not selected.

Conn., Orange—School—Western School Dist. rejected bids building 2 story, 65 x 90 ft., on Seaview Ave. About $100,000. Plans will be revised and work readvertised. D. E. Smith, 207 Orange St., New Haven, archt. Noted June 17.

Conn., Waterbury — Hospital — I. A. Walsh, archt. and engr., 51 Leavenworth St., soon lets contract building 5 story, 60 x 135 ft., brick, concrete and steel, rein.-con flooring, concrete foundation, on Franklin St., for St. Mary's Hospital. About $500,000. Noted April 1.

Conn., Westport—Fire House, etc.—E. T. Bedford, Green Farms, soon lets contract constructing 2 story, brick, concrete and steel firehouse and Y. M. C. A. building, rein.-con. flooring, concrete foundation, on State St. About $250,000. W. B. Tubby, 81 Fulton St., New York City, archt.

N. Y., Annandale — College — Stephens College having plans prepared by Hoppin & Koen, archts. and engrs., 4 East 43rd St., New York City, for several small college buildings, brick and stone, brick foundation. About $600,000.

N. Y., New York—Office—F. Begrisch and C. L. Acker, 200 Bway., having plans prepared by R. H. Almiroty, archt. and engr., 46 West 46th St., for 12 story, brick, steel and stone, concrete foundation, on 36th St. and 5th Ave. About $3,500,000. Noted May 20.

N. J., Collingswood (Camden P. O.)—School—Bd. Educ. plans to build 2 story, 75 x 110 ft., brick. About $160,000. I. Davis, 1713 Sansom St., Phila., archt.

N. J., Garfield (Passaic P. O.)—School—Bd. Educ. opens bids about Aug. 15, building 2 story, 83 x 150 ft., on Lincoln Pl. About $225,000. A. L. Vegliante, archt.

N. J., Jersey City—Office—See "Industrial Works."

N. J., Newark—School—Bd. Educ. having plans prepared by J. H. and W. C. Ely, archts. and engrs., Firemans Trust Bldg., for 4 story, 106 x 128 ft. addition to Carteret School, on Oliver St., concrete and brick. Cost to exceed $100,000. Noted May 20.

Pa., Altoona—Temple—Jaffa Temple, 707 Chestnut Ave., having preliminary plans prepared by R. G. Schmid & Co., archts., Randolph St., Chicago, Ill., for 3 story, 133 x 149 ft. addition, brick, steel and stone. About $200,000. D. A. Little, 1309 7th Ave., member bldg. com.

Pa., Kingston (Wilkes-Barre P. O.)—School—St. Hedwig Roman Catholic Parish Assn. having plans prepared by Morris & MacHale, archts., Burr Bldg., Scranton, for 2 story, 50 x 212 ft., brick and stone, rock foundation. About $150,000.

Pa., McKeesport — School — Bd. Educ. plans to build Centennial School, 2 story, 20 room, brick. About $350,000. W. T. Norton, secy.

Pa., Phila.—College—Temple University, 18th and Buttonwood Sts., having plans prepared by P. H. Johnson, archt. and engr., 1713 Sansom St., for 6 story, 300 x 300 ft., brick and stone, on Montgomery and Broad Sts. About $500,000.

Pa., Phila.—Nurses Home—J. B. Stetson Hat Co., Montgomery and 5th Sts., plans to build 4 story, 35 x 60 ft., brick, at 1200 North 4th St. About $100,000. Private plans.

Md., Baltimore—Bank and Office—Title Guarantee & Trust Co., St. Paul and Lexington Sts., having plans prepared by J. E. Sperry, archt., 409 Calvert Bldg., altering Hoffman Bldg. in rear, for own use. About $125,000.

Md., Baltimore—Office—H. B. Wolf, 110 East Lexington St., and others, plan to build 15-20 story, 150 x 200 ft., concrete, brick and steel, concrete foundation, on Lexington and Calvert Sts.

Md., Baltimore — School — City having plans prepared by C. N. Friz, archt., 814 Lexington Bldg., for 3 story, 125 x 150 ft., brick and stone concrete foundation, on 32rd St. and Hillen Rd. About $200,000. C. L. Reeder, Park Ave. and Saratoga St., engr.

N. C., Asheville—Hospital—A. T. Pritchard and others plan to build modern general hospital, brick. About $150,000. Architect not selected.

N. C., Asheville—Hotel—Bd. Trade plans to build hotel. About $1,000,000. N. Buckner, secy.

N. C., Charlotte — School — City voted $750,000 bonds to build new schools.

N. C., Greensboro—Passenger Station—City plans election to vote on $1,300,000 bond issue. This amount will be loaned to Southern R.R. to build passenger depot.

S. C., Anderson — Bank — Citizen Natl. Bank having plans prepared by J. J. Baldwin, archt., Anderson, for bank. About $100,000.

Tenn., Nashville—Home—Methodist Episcopal Church, South, plans to build new home. About $1,000,000. Architect not selected.

Buildings (Continued)

Ky., Covington — Hospital — Booth Memorial Hospital, 2nd and Kennedy Sts., plans to build 4 story, 93 x 190 ft. brick addition, rock foundation. About $250,000. B. T. Wisenall, 1643 Reading Rd., archt.

Ky., Louisville—Masonic Home—Masonic Grand Lodge plans to build home. About $1,000,000. Architect not selected.

O., Akron—Business Block—Portage Taxi & Baggage Co., 11 South High St., having plans prepared for 10 story, 66 x 132 ft., on South High St. About $200,000. Architect's name withheld.

O., Akron—Hotel—Portage Hotel plans to alter and build 200 room addition, on Main and Market Sts. About $300,000.

O., Akron—Theater and Office—J. H. Romweber, 720 East Market St., plans to build 3 story, concrete, steel and brick, on Brown and East Market Sts. About $150,000.

O., Alliance—Auditorium and Gymnasium—Mount Union College had plans prepared by Walker and Weeks, archts., 1900 Euclid Ave., Cleveland, for 2 story, 100 x 150 ft., brick, on Hartshorn St. About $200,000.

O., Alliance — Hospital—City plans to build 2 story, rein.-con. and brick addition, on College St. About $140,000.

O., Carthage (Cincinnati P. O.) — Hospital—Comrs. Hamilton Co. having plans prepared by Elzner & Anderson, archts., 4th and Main Sts., for 2 story, 150 x 358 ft., brick addition to Longview Hospital. About $400,000.

O., Cincinnati — Lodge — Knights of Columbus, 6th and Sycamore Sts., purchased site and plan to build lodge, on 9th St. About $250,000.

O., Cleveland—Bank—Midland Bank plans to build 1 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $100,000. Address W. H. Minton, Hollenden Hotel Arcade. Architect not selected.

O., Cleveland—Commercial—T. Coughlin, East 6th St. and Rockwell Ave., plans to build 2 story, rein.-con., steel and brick, rein.-con. flooring, concrete foundation, at 2613 Detroit Ave. About $100,000. Architect not selected.

O., Cleveland—Commercial—J. L. Free Land Co., 1004 Prospect Ave., plans to build 4 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Prospect Ave. near East 32nd St. About $200,000. J. L. Free, pres. Private plans.

O., Cleveland—Commercial—B. Reuben, Plymouth Bldg., plans to build 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Lakeside Ave. near East 17th St. About $100,000. Architect not selected.

O., Cleveland—Commercial, R. E. Rickson, c/o Ulmer & Berne, Amer. Trust Bldg., purchased site on Euclid Ave. and East 17th St., and plans to build 3 story, rein.-con. flooring, concrte foundation. About $150,000. Architect and engineer not selected.

O., Cleveland — Commercial and Club Rooms—Ohio Athletic Assn., c/o T. Ferry, 2151 Scranton Rd., plans to build 8 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Euclid Ave. and East 32nd St. About $400,000. Architect not selected.

O., Cleveland—Commercial and Garage—C. A. Forster, c/o Packard Cleveland Motor Car Co., 5206 Prospect Ave., plans to build 2 story, 75 x 180 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 6612 Euclid Ave. About $200,000. Architect not selected.

O., Cleveland—Hospital—St. Alexis Hospital, Bway. and McBride Ave., plans to build 4 story, rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation. About $450,000. Address C. A. Grasselli, chn. Bldg. Comn. W. C. Jansen, Electric Bldg., archt.

O., Cleveland—Lodge—Order of Maccabees, c/o O. C. Loughner, 10815 Churchill Ave., plans to build 2 story, 80 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Superior Ave. About $100,000. Architect and Engineer not selected.

O., Cuyahoga Falls — Lodge — Cuyahoga Falls Masonic Temple plans to build 4 story on Hollway and 2nd Sts. About $200,000

O., Elyria — School — Bd. Educ. having plans prepared by R. S. Silsbee, archt., Lorain Co. Bank Bldg., for 2 story, on Gulf St., also 2 story addition on Clark St., both rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $250,000 and $150,000 respectively.

O., Lakewood (Cleveland P. O.)—Nurses Home—Lakewood Hospital Assn., 14537 Detroit Ave., plans to build 2 story, rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $100,000. A. Cross, pres. Architect not selected.

O., Miamisburg—High School—Bd. Educ. having plans prepared by F. L. Packard, archt., New Hayden Bldg., Columbus, for 2 story, 120 x 140 ft., brick and concrete. About $200,000.

O., Oxford—Hospital, Library and chemical—Miami University plans to construct additions to library and chemistry building, also build hospital, rein.-con. and brick, concrete foundation. About $25,000, $40,000 and $60,000, respectively.

O., Youngstown—Theatre and Arcade—Steinberg Bros., 307 East Federal St., plan to build theatre and arcade, on East Federal St. About $210,000.

Ind., Brazil—Theatre—Citizens Theatre Co. plans to build 3 story, concrete, steel and brick, on National Ave. About $100,000. Architect not selected.

Ind., Evansville—Theatre—Vendome Theatre Co. having preliminary plans prepared for 2 story, 90 x 145 ft., brick and fireproof construction, on Main St. About $500,000. Architect's name withheld.

Ind., Gary — Hotel — Fulton Realty Co. plans to build 6 story, rein.-con., steel, brick, terra cotta and stone, rock foundation. About $500,000. Architect and engineer not selected.

Ind., Indianapolis—Bank—Bankers' Trust Co., 10 East Market St., plans to remodel building and install banking fixtures and vault. About $100,000. McGuire & Shook, Pythian Bldg., engrs.

Ind., Indianapolis — Clubhouse — Indianapolis Athletic Club having preliminary plans prepared by Bass, Knowlton & Graham, archts., Hume-Mansur Bldg., for 11 story, 127 x 195 ft., rein.-con., brick and steel, rein.-con. flooring, rock foundation, on Meridian St. About $1,400,000.

Ind., Mooresville—Office—See "Industrial Works."

Ind., Terre Haute—Coliseum—Bd. Comrs. Vigo Co. having preliminary plans prepared by Johnson, Miller & Miller, archts., 105 South 7th St., for 2 story, concrete, steel, brick and stone, rein.-con. flooring. About $1,500,000.

Mich., Bessemer—Hotel—Bessemer Hotel Co. plans to build hotel on Moore and Lead Sts. About $100,000. Architect not selected.

Mich., Detroit — Library — Detroit Pub. Library Comn., Library Bldg., having plans prepared by Stratton & Snyder, archts., Union Trust Bldg., for 2 story, 60 x 100 ft. rein.-con., brick and stone, rein.-con. flooring, concrete foundation, on Fort St., near Waterman Ave. About $100,000. Noted Jan. 1.

Mich., Detroit—Temple, Store and Office—Wayne Assembly Order of Amaranth, c/o B. C. Wetzel & Co., archts., Dime Bank Bldg., having plans prepared for 3 story, 45 x 123 ft. and 50 x 118 ft., rein.-con., brick, steel and stone, rein.-con. and wood flooring, on McDougal and Gratiot Aves. About $160,000.

Mich., Gladstone — Church — All Saints' Congregation had plans prepared by G. Arntzen, archt., Escanaba, for 2 story, 60 x 140 ft. brick, concrete and steel, rein.-con. flooring, concrete foundation. About $100,000.

Mich., Pontiac—Church—G. E. Sutton, Crowfoot Bldg., opens bids about July 26, building 1 and 2 story, 75 x 100 ft., brick, stone and steel, brick foundation, on Lincoln Ave., for Bethany Baptist Church. About $100,000. Stahl & Kinsey, 435 Woodward Ave., Detroit, archts.

Mich., Pontiac — Hotel — Woman's Hotel Co. plans to build 4 story brick, concrete and steel, concrete foundation, on Mt. Clemens St. About $100,000. F. W. Warner, chn. Architect not selected.

Ill., Albion—High School—Bd. Educ. having plans prepared by L. H. Osterhage, archt., Vincennes, Ind., for 2 story, 130 x 144 ft. concrete, steel and brick, rock foundation. About $150,000.

Ill., Chicago—Exchange—Holabird & Roche, archts., 104 South Michigan Ave., open bids about Aug. 15, building Wentworth Exchange, 2 story (ultimate 6 story), 50 x 150 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Englewood and Stewart Aves., for Chicago Telephone Co., 212 West Washington St. About $125,000.

Ill., Chicago — Exchange — Holabird & Roche, archts., 104 South Michigan Ave., open bids about Aug. 15, building Oakland Exchange, 2 story, (ultimate 6 story), 50 x 150 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on 44th St. near Drexel Blvd., for Chicago Telephone Co. 212 West Washington St. About $125,000.

Ill., Chicago—Office—W. V. Kelly, c/o C. C. Nimmons & Co., archts., 122 South Michigan Ave., having plans prepared for 3 story, 75 x 100 ft., rein.-con. brick and terra cotta, rein.-con. flooring, concrete foundation, at 546-548 South State St. About $500,000. Bd. Educ., lessee.

Wis., La Crosse—School—Bd. Educ. plans to build Hogan School. About $100,000. W. Luening, pres. Architect not selected.

Wis., Milwaukee—Administration — City plans to build 1 and 2 story, hollow tile concrete foundation, at sanatorium on Blue Mound Rd. Cost between $75,000 and $100,000. C. Malig, city engr.

Wis., Milwaukee — Hospital—Milwaukee Co. plans to build 6 and 8 story, brick, rein.-con., stone and steel, rein.-con. flooring, concrete foundation, on Grand Ave. About $2,000,000. Van Ryn & De Gelleke, Caswell Blk., archts. Noted March 18.

Wis., Milwaukee—Hospital—St. Mary's Hospital, 448 Lake Drive, plans to build rein.-con and brick addition, rein.-con. flooring, concrete foundation. About $200,000. Architect and engineer not selected.

Wis., Racine — Hospital — City having plans prepared by E. B. Funston Co., archts., Robinson Blk., for 2 story, 60 x 120 ft., isolation hospital, concrete and brick, rein.-con. flooring, concrete foundation. About $100,000.

Wis., West Allis (Milwaukee P. O.)—School—St. Aloysius Church, 521 Murray Ave., Milwaukee, had plans prepared by E. Brielmaier & Sons., archts., University Bldg., Milwaukee, for 2 story, 60 x 100 ft., brick and concrete, rein.-con. flooring, concrete foundation, on Greenfield Ave., here. Cost between $75,000 and $100,000. Bids will soon be received on foundation.

Wis., Whitehall—High School—Bd. Educ. plans to build 2 story, 73 x 124 ft., brick. Oppenhamer & Obel, Wausau, archts.

Ia., Des Moines—Temple of Justice—State Bd. Control having plans prepared by Proudfoot, Bird and Rawson, archts., 810 Hubbell Bldg., for 6 story, brick and steel, on State Capitol grounds. About $100,000.

Ia., Dubuque—High School—Bd. Educ. having plans prepared for 3 story, rein.-con., brick and steel junior high school. About $300,000. N. Polan, secy.

Ia., Dubuque—High School—Bd. Educ. having plans prepared by Leitha & Rush, archts., 4th and Main Sts., remodeling high school. About $100,000. N. Polan, secy.

Ia., Iowa City—Library and Chemistry—State Bd. Educ. plans to construct library and chemistry buildings at University, here. About $2,000,000. W. H. Bates, secy.

Ia., Orient — School — Bd. Educ. having revised plans prepared by W. Gordon, archt., Hubbell Bldg., Des Moines, for 2 story, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $136,000. Noted April 29.

Minn., Mankato—Armory—City plans to build armory. About $125,000. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs.

Minn., Minneapolis — Administration — State Bd. Control, St. Paul, having plans prepared by C. H. Johnston, archt., 715 Capital Bank Bldg., St. Paul, for 4 story, rein.-con., brick and stone on state University Campus, here. About $1,000,000.

Minn., Minneapolis — High School — Bd. Educ. had plans prepared by E. H. Enger, archt., c/o Bd. Educ., for 4 story, 220 x 300 ft., rein.-con., brick, tile and stone, on 20th Ave., N.E., and Quincy St. About $700,000.

Minn., Minneapolis — Home —Augustana Home for Aged, 1411 10th Ave. S., having plans prepared by Edwins & Edwins, archts., 911 Northwestern Bldg., for 3 story, 60 x 118 ft. rein.-con. and brick, on 10th Ave. S. between 14th and 15th Sts. About $100,000.

Minn., Minneapolis—Store—New England Furniture & Carpet Co., Marquette Ave. and 5th St., plans to remodel 7 story, 156 x 162 ft. brick and steel factory on 1st Ave. N. and 5th St., into store. About $200,000. Architect not selected.

Minn., Olivia—High School—Bd. Educ. rejected bids April 30, building high school. About $200,000. Project postponed. Noted April 22.

Minn., St. Peter—Gymnasium—Gustavus Adolphus College having plans prepared by Magney & Tusler, archts., 450 Builders Exch., Minneapolis, and receives bids in fall, building 2 story, 62 x 92 ft. rein.-con., brick, steel, tile and stone. About $100,000.

Buildings (Continued)

Kan., Kansas City—School—Bd. Educ. had plans prepared by Rose & Peterson, archts., 715 Minnesota Ave., for 2 story, 75 x 95 ft., concrete, stone, brick and steel. About $125,000.

Kan., Lawrence—Hotel—Stock Co. is being formed and having plans prepared by Root, Siemens & Kurfin, archts., 1202 Scarritt Arcade, Kansas City, Mo., for 117 x 125 ft., brick, rein.-con. and steel, rein.-con. flooring. About $300,000.

S. D. Mitchell — Hospital — Sisters of Presentation Order soon receive bids building 3 story, 40 x 160 ft., rein.-con., brick and tile. About $125,000. E. H. Lundie, 530 Endicott Bldg., St. Paul, Minn., archt.

Mont., Miles City—High School—Bd. Trustees Custer Co. plans to build 3 story, brick and concrete high school. About $275,000. G. F. Ingersoll, secy. Noted May 20.

Mo., Liberty — Church — Baptist Church having plans prepared by J. H. Felt & Co., archts. Grand Ave. Temple, Kansas City, for 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $150,000.

Tex., Brownsville—Hotel—A. B. Ayres, archt., Bedell Bldg., San Antonio, soon lets contract building 5 story, 50 x 120 ft., rein.-con. and brick, on Main St., here, for C. H. Moore. About $200,000. M. L. Diver, Ave. C and Travis St., St. Antonio, engr. Noted April 29.

Tex., San Antonio—Labor Temple—San Antonio Labor Temple Assn., 120 North St., having plans prepared by F. S. Ankrom, archt. and engr., 324 Hicks Bldg., for 3 story, 80 x 100 ft., concrete, stone and brick, at 120 North St. About $100,000.

Okla., Tulsa—Church—Methodist Episcopal Church having plans prepared by Wright & Wright, archts., 400 1st Natl. Bldg., Kansas City, Mo., for 2 story, brick, rein.-con. and steel, rein.-con flooring, concrete foundation. About $250,000.

Cal., Claremont — Laboratory — Pomona College having plans prepared by J. P. Jamieson, archt. and engr., Security Bldg., St. Louis, Mo., for 2 story, 60 x 200 ft. chemical laboratory, rein.-con., stucco and tile, here. About $200,000.

N. B., St. John Station—Canadian Natl. Ry., Ottawa, plans to build station and grade portion of Mill St. About $150,000 will be expended this year. C. B. Brown, Moncton, ch. engr.

Ont., London—Club House—Great War Veterans Assn., 242 Queens Ave., plans to build 3 story brick, concrete foundation. About $150,000. Architect not selected.

Ont., London—School—Bd. Educ. receives bids about Aug. 1, building 36 room school, on Waterloo St. About $500,000. H. Hayman, pres. L. V. Carrothers, Hydro Bldg., archt. Noted June 3.

BIDS DESIRED

Mass., New Bedford—School—Until July 29, by C. W. Bartlett, chn., Com. on City Property, at office of H. Winslow, clk. of committees, Municipal Bldg., constructing 2 story, brick and limestone, on Summer, North, Mill and Chestnut Sts. N. C. Smith, New Bedford, archt.

Conn., Bristol—High School—Until Aug. 3, by School Comn., building 3 story, "H" shaped, brick, rein.-con. and steel, rein.-con. flooring, concrete foundation, at Dunbar Meadows. Cost between $750,000 and $800,000. W. Potter, 22 East 17th St., New York City, archt. Noted March 18.

Conn., Manchester—Recreation and School—Until Aug. 5, by F. Farley, archt. and engr., 333 4th Ave., New York City, building 2 story, 65 x 110 ft., brick and concrete, rein.-con. flooring, concrete foundation, on Cedar St., for 9th School Dist. About $200,000. Noted June 10.

Conn., Waterbury — Armory — Until July 26, by Military Emergency Bd., State Armory, Hartford, building 4 story, 180 x 200 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Field St., here. About $400,000. Former bids rejected. L. A. Walsh, 51 Leavenworth St., archt. Noted June 3.

N. Y., New York—Courthouse—Until July 30, by Bd. Estimate & Apportionment, building superstructure of courthouse, on Center, Worth, Baxter and Pearl Sts. Former bids rejected. Noted June 3.

N. J., Camden—Office—Until July 28, by P. A. Davis, archt. and engr., 1713 Sansom St., Phila., building 2 story, 36 x 36 ft. and 36 x 90 ft., concrete and brick, on Federal St., for Camden Fire Insurance Co., 5th and Federal Sts. About $100,000.

Pa., Charleroi—Bank—Until Aug. 2, by W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, for brick and stone, brick foundation, for 1st Natl. Bank of Charleroi. About $500,000. Noted July 1.

Pa., Easton—Dormitory—W. H. Thomas and Martin & Kilpatrick, archts., 130 South 15th St., Phila., receiving bids building 4 story, 105 x 125 ft., brick and stone, for Y. M. C. A., here. Cost to exceed $100,000. Noted March 18.

Pa., Erie—Armory—Until July 30, by Adjutant General, Harrisburg, building 2 story, 116 x 155 ft., brick, steel, stone, terra cotta and tile, rein.-con. flooring, on 6th and Parade Sts. About $200,000. W. G. Wilkins Co., Westinghouse Bldg., Pittsbugh, archts.

Pa., Lower Chichester (Marcus Hook P. O.)—School—Until July 28, by Bd. Educ., building 2 story, 60 x 145 ft., brick and stone, here. About $200,000. V. T. Ritter, North Amer. Bldg., Phila., archt.

Pa., New Wilmington—Gymnasium—Until July 30, by Westminster College, building 2 story, 73 x 180 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $150,000. Thayer & Johnson, 5716 Euclid Ave., Cleveland, O., archts. Noted July 8.

Pa., Oil City—Theatre—Until Aug. 2, by A. W. Johnson, archt. and engr., 469 5th Ave., New York City, building brick and stone, brick foundation, here, for Columbia Realty Corp., c/o architect. About $200,000.

Pa., Phila.—Church—C. W. Bolton, archt., Witherspoon Bldg., receiving bids building 1 story, 65 x 75 ft. stone, on Willows and 56th Sts., for Sherwood United Presbyterian Church, c/o architect. Cost to exceed $100,000.

Pa., Sharon—Theatre—Until Aug. 2, by A. W. Johnson, archt. and engr., 469 5th Ave., New York City, building brick and stone, brick foundation, here, for Columbia Realty Corp., c/o architect. About $200,000.

Ga., Savannah—Schools—Until July 26, by City Bd. Educ. and Chatham Co., building Junior High and Chatham Crescent Schools. C. B. Gibson, supt.

O., East Cleveland (Cleveland P. O.)—School—Until July 30, by Bd. Educ., building 2 story, 12 room, rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on Mayfair Rd. About $250,000. C. Ammerman, clk. Noted June 3.

O., Prospect—High School—Until August 12, by Bd. Educ., building 2 story, 10 room, brick and concrete. About $125,000. H. B. Mounts, clk. O. D. Howard, 8 E. Broad St., Columbus, archt. Noted June 10.

O., Zanesville—Clubhouse—Until Aug. 2, by Armco Clubhouse Co., 5th St., building 2 story, 166 x 193 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $200,000. F. H. Mueller, Renslar Bldg., Hamilton, archt.

Wis., Tomah—High School, etc.—Until July 27, by Bd. Educ., building 3 story, 50 x 80 ft. addition to high school and 1 story, 30 x 55 ft. boiler house, concrete and brick, rein.-con. flooring, concrete foundation. Cost between $75,000 and $100,000. C. Drowatska, clk. H. C. Haeuser, Colby-Abbott Bldg., Milwaukee, archt. Noted Feb. 26.

Minn., Minneapolis—School—Until Aug. 2, by Bd. Educ., building 2 story, 58 x 158 ft. addition, rein.-con., brick and stone, on 4th Ave., S., and 28th St. About $200,000. E. H. Enger, c/o Bd. Educ., archt.

Minn., Upsala—School—Until July 26, by A. Clark, clk. School Bd., building 2 story, 55 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $110,000. Kelly & Shefchik, 1009 Alworth Bldg., Duluth, archts. and engrs.

N. D., Bismarck—Memorial—Until July 27, by State Bd. Administration, building 3 story, 51 x 100 ft., rein.-con. and Bedford stone, on Capitol grounds. About $200,000. Keith & Burke, Bismarck, archts.

Mo., Columbia—School—Until July 29, by Missouri University, constructing 2 story, 63 x 91 ft. economic building, rein.-con. About $100,000. J. P. Jamieson, Security Bldg., archt.

Que., Montreal—Office—Until Aug. 15, by St. James Realty & Investment Co., St. James St., building 10 story, 50 x 145 ft., brick, steel and stone, concrete foundation on St. Gabriel St. About $400,000.

Que., Montreal—School—Until July 29, by J. P. Labarre, dir. secy. Catholic School Comrs., North Dist., 2060 St. Dennis St., building concrete, brick and steel, on Clarke St. near St. Viteur St. About $160,000.

Ont., London—Hotel—Until Aug. 21, by G. M. Reid, 391 Clarence St., building 16 story, 100 x 180 ft., concrete, brick and steel, on Richmond St. About $1,500,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Me., Augusta—Dormitory — State let contract building 3 story, 38 x 145 ft., brick and granite, rein.-con. flooring, to O. Nelson Co., 194 Exchange St., Bangor. About $165,000.

★Me., Augusta—Hospital—H. S. Coombs archt., 11 Lisbon St., Lewiston, let contract to O. Nelson Co., 194 Exchange St., Bangor, building 3 story, 38 x 144 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, at State Hospital, here. About $175,000. Noted July 15.

★Me., Lewiston—Sales, etc.—Lewiston-Buick Co. let contract construction 3 story, brick and rein.-con. sales and service building, rein.-con. flooring, concrete foundation, on Main St., to J. A. Greenleaf & Sons Co., 20 Washington St., Auburn. About $150,000.

★Me., Portland — Hotel — Miller & Mayo, archts., Fidelity Bldg., let contract to Greene & Malone, Portland, altering and building 7 story, 60 x 80 ft., brick and rein.-con. addition, rein.-con. flooring, concrete foundation, for Lafayette Hotel Co., 638 Congress St. About $200,000. Noted May 27.

★Vt., Barre—Hospital—Washington Co. Tuberculosis Hospital let contract building 3 story, 50 x 120 ft., brick and steel, to A. B. Lane, 38 Highland Ave. About $100,000. Noted April 29.

★Vt., Springfield — Hospital — Springfield Hospital, Inc., let contract building 2 story, 50 x 60 ft. with two 25 x 45 ft. wings, brick and rein.-con., rein.-con. flooring, concrete foundation, to Allen Bros., Amherst, Mass. About $125,000.

★Mass., Allston (Boston P. O.)—Sales—Tuck & Gilman, archts., 34 School St., Boston, let contract to H. L. Gilman Co., 34 School St., Boston, for 2 story, 75 x 200 ft. sales and service building and garage, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Fordham Rd., for Tuck, Gilman & Sneider, c/o architects. About $175,000. Noted July 15.

★Mass., Belchertown—Dormitory, etc.—Commonwealth of Massachusetts, Comn. on Mental Diseases, 36 State House, Boston, let contract constructing 2 story, 90 x 117 ft., dormitory and 2 story custodial building, at State College, here, to M. I. O'Connor, 86 Main St., Northampton. About $265,000. Noted July 15.

Mass., Haverhill—School—Bd. Educ. received bids building 3 story, 40 x 130 ft. addition to Tilton School, brick and concrete, rein.-con. flooring, concrete foundation, on Grove St., from J. M. Roche, 667 Primrose St., $109,675; Kelly Bros., 30 Pleasant St., $120,875; W. N. Pike & Sons, Inc., 264 Essex St., Lawrence, $123,500. Noted June 3.

★Mass., Mansfield — Housing — Mansfield Housing Corp., c/o Bonelli, Adams & Co., 60 State St., Boston, let contract building twenty-five 1 and 2 story, frame houses for workmen, concrete foundations, here, to Bradlee & Chatman Co., 54 Canal St., Boston. About $125,000. Noted June 3.

Mass., Mattapan (Boston P. O.)—Dining Room — Commonwealth of Massachusetts, Comn. of Mental Diseases, 36 State House, Boston, received bids July 13, building 2 story, brick and concrete, rein.-con. flooring, concrete foundation (west group), at State Hospital, here, from F. G. Coburn, 294 Washington St., Boston, $173,464; J. Bowen Co., 184 Dudley St., Roxbury, $175,000. Noted July 1.

Mass., Mattapan (Boston P. O.—Nurses' Home—Commonwealth of Massachusetts, Comn. of Mental Diseases, 36 State House, Boston, received lowest bid building 2 story, brick, concrete and steel, rein.-con. flooring, concrete foundation (east group), at State Hospital, here, from F. G. Coburn, 294 Washington St., Boston, $106,270. Noted June 24.

★Mass., Three Rivers—Housing-Palmer Mills of Otis Co. let contract building 2 story, frame houses for workmen, concrete foundations, near plant, here, to Flynt Bldg. & Constr. Co., 256 Main St., Palmer. About $100,000.

★Mass., Three Rivers—School, etc.—St. Peter and Paul Society let contract building 2 story, 50 x 100 ft. brick and steel, concrete foundation, at Four Cornrs, to J. S. Toper, 38 Kniffer Ave., Easthampton. About $100,000.

★Conn., Hartford—Club, etc.—See "Industrial Works."

Buildings (Continued)

★**Conn., Meriden**—Business—Mag & Atwater, 10 Colony St., will build 3 story, 50 x 100 ft., with two 2 story structures on either side to form arcade, brick and rein.-con., rein.-con. flooring, concrete foundations, on Hanover St. About $100,000. Work will be done by day labor. Noted June 17.

★**Conn., Meriden** — Infirmary—Undercliff State Tuberculosis Sanitorium, West Mount St., let contract building 2 story, 35 x 130 ft. with two 20 x 30 ft. ells, frame, stone and concrete foundations, to L. A. Miller, 22 Church St. About $100,000.

★**Conn., New Britain**—Business—S. Shurberg, 55 Franklin St., will build 4 and 5 story, 95 x 100 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on Main St. About $200,000. Work will be done by day labor. Noted July 8.

★**N. Y., Brooklyn**—Bank—East Brooklyn Savings Bank, 643 Myrtle Ave., will build 1 story, 50 x 100 ft., brick, steel and stone, brick foundation, on Bedford and De Kalb Aves. About $110,000. Work will be done by day labor. Noted July 1.

N. Y., Brooklyn—Nurses Home—Dept. Pub. Welfare, Municipal Bldg., New York City, received bids July 15, building and completing additions on grounds of Kings Co. Hospital, Clarkson St., here, from W. Werner Eng. Co., 50 Court St., $216,280; W. Kennedy Co., 215 Montague St., $222,408. Noted July 8.

N. Y., Far Rockaway—School—C. B. J. Snyder, supt. school bldg., Municipal Bldg., New York City, received only bid July 12, altering and building addition to P. S. 39, on State St. between Roanoke and Cleveland Aves., here, from T. Dwyer, Bway. and 216th St., New York City, $134,000. Noted July 8.

★**N. Y., Hudson**—Bank—First Natl. Bank let contract building 1 story, brick and stone, brick foundation, to Griswold Co., 101 Park Ave., New York City. About $150,000.

★**N. Y., New Rochelle**—Theatre—A. W. Johnson, archt. and engr., 469 5th Ave., New York City, let contract to Wells Constr. Co., 237 5th Ave., New York City, building brick and stone, brick foundation, for Columbia Realty Co., c/o architect. About $140,000.

★**Pa., Indiana** — Theatre, Office and Dance Hall—Jefferson Theatre Co. let contract building 3 story, 71 x 201 ft., concrete, brick and steel, to Powell & Justus, Punxsutawney. About $165,000.

★**Pa., Phila.**—Station—City Transit Dept., 1211 Chestnut St., let contract building station on Front and Berk Sts., to W. W. Anstine & Co., 1218 Filbert St., $79,816. Noted June 10 under "Miscellaneous."

★**O., Cleveland**—Sales—See "Industrial Works."

O., Columbus—School—Bd. Educ. received bids July 8, building 2 story, concrete and brick, on Linden Heights, from State Constr. Co., 11 West State St., $218,000; E. H. Latham Co., 60 East Broad St., $224,484. Noted March 4.

O., Columbus—Schools—Bd. Educ. received bids for general contract building (a) 2 story, 110 x 190 ft., on Sullivant Ave., (b) 2 story, 110 x 190 ft., on Taylor Ave., (c) 2 story, 110 x 112 ft. on Fulton St., from Federal Constr. Co., Hartman Bldg., (a) $201,081, (b) $204,931, (c) (if entire building is constructed) $207,234; State Constr. Co., 11 West State St., (a) $217,000; J. Hina, 711 Oakwood Ave., (b) $207,500; E. H. Latham Co., 60 East Broad St., (c) for part of proposed building, $121,074. Noted May 20.

O., Warren—Schools—Bd. Educ., c/o J. Buckwalter, Trumbull Blk., received bids building (a) 2 story, 125 x 150 ft. addition to East Technical High School and (b) 2 story, 110 x 182 ft. addition to West Technical High School, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, from Shustrump Co., Youngstown, (a) $322,212 and (b) $329,869.

O., Youngstown—Hospital—City received low bid building 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, from Parish Bros., 217 Wick Ave. About $152,000.

Ind., Indianapolis — School — Bd. School Trustees received bids building 2 story, 24 room, rein.-con., steel and brick, on Martindale Ave., from Cornell Eng. Co., 2611 Cornell Ave., $422,650; C. J. Wacker, Law Bldg.; W. P. Jungclaus & Son, 541 East Georgia St.

Ind., Indianapolis — School — Bd. School Trustees received bids building P. S. 22, 2 story, 12 room, rein.-con., brick and steel, on Talbot Ave., from C. J. Wacker Law Bldg., $248,588; W. P. Jungclaus & Son, 541 East Georgia St.; Schlegle & Roehm, Lombard Bldg.

ROAD WORK—CALIFORNIA

Bids were received by Bd. Supervs. of San Diego Co. for paving 9.75 mi. Miss. R.I. No. 1 A, from (A) Hunkin-Conkey Constr. Co., Box 536 (awarded contract); (B) Mc Peak-Dillon Co., 620 Security Bldg.; (C) Rogers Bros., 350 Merrick St.; (D) C. H. Hudson, 409 Marsh-Strong Bldg., $339,520. Contractors all of Los Angeles. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
Grading and Paving:			
5,235 cu.yd. earth excavation	$1 20	$1 75	$1
500 cu.yd. loose rock excavation	2 00	2 00	2
1,000 cu.yd. solid rock excavation	3 50	3 00	3
2,000 cu.yd. disinf. gran. foundation	1 53	2 00	1
14,003 cu.yd. Class "A" concrete	16 53	17 55	17
20,000 sq.ft. reinforcing mesh	04	04	
Extended totals	$258,112	$273,596	$304,[illegible]
Bridges and Culverts:			
200 cu.yd. excavation and backfill	$2 00	$2 00	$2
136.02 cu.yd. Class "A" concrete	30 00	35 00	35
4,031 lb. reinforcing steel	10	15	
Extended totals	$4,884	$5,765	$6,[illegible]
Extended grand-totals	$262,995	$279,362	$309,[illegible]

★**Ill., Decatur**—Church—St. Paul's Methodist Episcopal Church, 221 North 1st St., will build 2 story, 75 x 100 ft., brick and timber, rock foundation. About $100,000. Work will be done by day labor.

★**Ia., Muscatine**—Theatre, Stores, Cafeteria, etc.—E. M. Henle will build 5 story, 120 x 140 ft., brick, rein.-con. and tile. About $527,000. Work will be done by day labor.

★**Minn., Coleraine** — High School — Independent School Dist. 2 let contract building 2 story, 176 x 208 ft., rein.-con., brick and steel, to Evenson & Utterberg, 552 Builders' Exch., Minneapolis. About $455,000.

★**Minn., St. Paul** — Academy — Sisters of St. Joseph, c/o St. Catherine's College, Cleveland Ave. and Randolph St., let contract building 4 story, 45 x 145 ft. music academy, rein.-con. and brick, on Cleveland Ave. and Randolph St., to J. Hoffman, 190 Forbes Ave. About $147,000.

★**Neb., Omaha** — Church — Westminster Presbyterian Church, 29th and Mason Sts., let contract building 1 and 2 story, 70 x 120 ft., brick, concrete and steel, concrete foundation, on 35th St. and Woolworth Blvd., to McClere Constr. Co., Omaha. About $120,000. Noted May 27.

★**N. D., Fargo**—School and Dormitory—Oak Grove Lutheran Ladies Seminary let contract building 3 story, tile, rein.-con. and Bedford stone, to T. Ortbye, Fargo. About $125,000.

★**Mo., Kansas City**—Bank and Office—Scarritt Estate, Scarritt Bldg., let contract building 2 story, 100 x 100 ft., rein.-con., on 26th and Grand Sts., to Hoffman Bros., Ridge Bldg. About $100,000.

★**Mo., University City** (St. Louis P. O.)—School—Bd. Educ. let contract building 3 story, 60 x 153 ft., brick and steel, on Harvard Ave., to E. C. Gerhard Bldg. Co., Post Dispatch Bldg., St. Louis. About $114,000.

★**Que., Montreal** — School — School Bd. Comn., 83 St. Catherine St., E., let contract building 3 story, 55 x 144 ft., concrete, brick and steel, on Demonitgny St., to J. A. Durocher, 291 Chambly St. About $165,000.

★**Ont., Kitchener** — Theatre — Paramount Theatres, Temple Bldg., let contract building 1 and 2 story, rein.-con. brick, steel and marble, rein-con. flooring, concrete foundation, on Queen St., to P. H. Secord & Sons, 133 Nelson St., Brantford. About $300,000.

Federal Government Work

PROPOSED WORK

N. H., Portsmouth—Welding Shop—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here.

D. C., Wash.—Extending Bathhouse and Beach—U. S. Engr. Office, War Dept., plans to extend at Tidal Basin Bathing Beach.

Tenn., Nashville—Locks and Dams—U. S. Engr. Office, 4th and 1st Natl. Bank Bldg., having surveys made and sites investigated for purpose of constructing 4 locks and dams on Cumberland River. R. Ralston, dist. engr.

Mich., Mt. Pleasant—Power and Heating Plant—Bureau of Indian Affairs, Wash., D. C., plans to build at school, here.

Kan., Lawrence—Improving Heating and Power Plant—Bureau of Indian Affairs, Wash., D. C., plans to improve at Indian School, Haskell Institute, here.

Ark., Hot Springs—Repairing and Building Hospitals—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to repair and build hospitals at military posts, here.

N. M., Sante Fe—Steam Heating System—Bureau of Indian Affairs, Wash., D. C., plans to improve and enlarge at school here.

BIDS DESIRED

N. H., Portsmouth—Boilers and Stokers—Spec. 4124—Until Aug. 11, by Bureau Yards & Docks, Navy Dept., Wash., D. C., removing and re-erecting, here; $10 deposit required for plans and spec. Noted July 15.

Mass., Boston—Riprap—Until Aug. 6, by Supt. Lighthouses, Boston, furnishing for Cape Cod Canal.

Mass., South Boston—Tracks—Spec. 4196—Until Aug. 11, by Bureau Yards & Docks, Navy Dept., Wash., D. C., completing, here; $10 deposit required for plans and spec. Noted May 20.

N. J., Jersey City—Remodeling Post Office—Until Aug. 5, by Treas. Dept., Wash., D. C., remodeling, here. J. A. Wetmore, supervy. arch.; advertised in this issue.

D. C., Wash.—Boiler and Piping—Spec. 4242—Until July 28, by Bureau Yards & Docks, Navy Dept., installing here; $10 deposit required for plans and spec. Noted July 15.

D. C., Wash.—Lumber, etc.—Until Aug. 2, by A. L. Flint, genl. purch. agt., Panama Canal, Wash., D. C., furnishing steamer on dock at Cristobal or Balboa, Canal Zone, 109,500 ft. b.m. lumber, hickory, white pine, oak, maple, cedar, Redwood, etc.; also 15,000 pieces 9 ft. lengths and 600 pieces 40 ft. lengths, siding, box car, Douglas fir.

Va., Hampton Roads—Electric Underground Distributing System—Spec. 4240—Until Aug. 11 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing, here; $10 deposit required for plans and spec. Noted July 15.

Va., Norfolk—Paint and Oil Storehouse—Spec. 4222—Until July 28 by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here; $10 deposit required for plans and spec.

Ill., Great Lakes—Harbor Development—Spec. 4136—Until Aug. 11 by Bureau Yards & Docks, Navy Dept., Wash., D. C., for developing harbor, here; advertised in this issue. Noted March 25.

Neb., Omaha—Post Office Substation—Treas. Dept., Wash., D. C., receiving bids building 3 story, 66 x 132 ft., here. J. A. Wetmore, supervy. archt.

Arizona—Road Work—Until July 26, by Bureau Pub. Rds., Luna-Strickler Bldg., Albuquerque, N. M., building 10.02 mi. Salt River, Pleasant Valley, Sec. 2-C Project, 20 ft. wide, within Tonto Natl. Forest, Gila Co., involving 25 acre clearing and grubbing, 4,767 cu.yd. rock and 59,086 cu.yd. common excav., 1,766 lin.ft. 18-36 in. C.M.P. culverts, etc. E. S. Wheeler, dist. engr.

Cuba, Guantanamo—Pier—Spec. 4165—Until Aug. 18 (change of date) by Bureau Yards & Docks, Navy Dept., Washington, D. C., building rein.-con., at Naval Sta., here; $10 deposit required for plans and spec. Noted July 8.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Protected Switchboard and Plotting Rooms—U. S. Engr. Office, Custom House, let contract constructing protected switchboard room and plotting room, at Ft. Andrews and protected switchboard room at Ft. Revere, Boston Harbor, to A. MacDonald & Sons, 79 Milk St., $57,006. Noted June 10.

★**Mass., Boston**—Sand and Gravel—U. S. Engr. Office, Custom House, let contract furnishing and delivering, at Hog Island, Boston Harbor, to Boston Sand & Gravel Co., 88 Broad St., $23,250. Noted June 10.

★**Mass., Nahant**—Sand—U. S. Engr. Office, Custom House, Boston, let contract furnishing and delivering at U. S. Reservation, here, to E. L. Lane, Boston. About $29,500. Noted June 10.

Federal Government Work (Continued)

N.Y., Brooklyn—Kitchen and Commissary Equipment — Spec. 4177 — Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids July 14, installing in Bldg. F, at Naval Hospital here, (1) work complete from L. Barth & Son, 38 Cooper Sq., New York City, (2)$190, (3) $230, (3a) $330, (4) $18,543; Sterns Co., 133 West Lake St., Chicago, (1) $13,044, (2) $183, (3) $19,912, (3a) $13,019; J. Hoose Co., 306 South Hanover St., Baltimore, Md., (1) $14,404 (90 days), (2) $175, (3) $47.50 (10 days), (3a) $200. Noted July 8.

★**N. Y., New York**—Dredging—U. S. Engr. Office, 39 Whitehall St., let contract dredging in East Chester Creek, to T. A. Scott Co., Inc., New London, Conn., $10,-050. Noted June 3.

★**D. C., Wash.**—Electric Cable—U. S. Engr. Office, War Dept., let contract building, here, to Okonite Co., Canal St., Passaic, N. J., $36,113.

★**D. C., Wash.**—Electric Power Cable—U. S. Engr. Office, War Dept., let contract building, to Standard Underground Cable Co., 26 Washington St., Perth Amboy, N. J., $35,322.

★**D. C., Wash.**—Repairing Mechanical Equipment—Treas. Dept., let contract repairing in treasury annex, Butler and Windsor Bldgs., to Allen, Mitchell & Co., 1818 E St., N. W., $9,995 (60 days).

Va., Cape Charles—Wharf, Bulkhead, etc.—Treas. Dept., Wash., D. C., received bids July 12, building wharf, bulkhead, breakwater and dredged channel for U. S. Quarantine Sta., Craney Island, here, from J. Stewart, 30 Church St., New York City (a) $69,500, (b) $9,800, (c) $3,300; Raymond Concrete Pile Co., Munsey Bldg., Baltimore, Md., (a) $45,000, (b) $72,000, (c) $10,800, (d) $3,050; Newport Contg. Co., Silsby Bldg., Newport News, (a) $90,-550, (b) $11,360, (c) $24,880, (d) $70. Noted July 8.

★**Va., Norfolk** — Bulkhead, etc. — U. S. Engr. Office, Custom House, let contract building bulkhead on Craney Island Flats and furnishing and placing riprap stone on existing bulkhead, to J. Stewart & Co., 30 Church St., New York City, $128,275. Noted June 10.

★**Va., Quantico** — Incinerator — Spec. 4137—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building at Marine Barracks, here, to McLean Contg. Co., 1412 Fidelity Bldg., Baltimore, Md., $28,345. Noted July 15.

★**W. Va., South Charleston** — Railroad Track Scales—Spec. 4207—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract furnishing and installing at Naval Ordnance Plant, here, to Strait Scale Co., Shawnee and Adams Sts., Kansas City, Kan. About $16,900. Noted July 1.

★**Ala., Florence** — Electric Generators and Accessories—U. S. Engr. Office, Florence, let contract furnishing and delivering at Wilson Dam, to Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., $779,-400. Noted May 6.

★**O., Athens** — Boiler — Treas. Dept., Wash., D. C., let contract installing in Post Office, here, to C. Gleason, Augusta, Ga., $3,925.

Mo., St. Louis—Repairing Boiler Plant—Treas. Dept., Wash., D. C., received lowest 3 bids July 16, repairing at U. S. Marine Hospital, here, from W. Wilby, Selma, Ala., $4,000 (Nov. 1); Werner Hencke Plumbing Co., 2335 South Grand St., $4,095 (90 days); Elliott & Barry Eng. Co., 1426 Olive St., $4,115 (30 days). Noted July 1.

★**Tex., Galveston**—Redredging Channel—U. S. Engr. Office, Trust Co. Bldg., let contract redredging Clear Creek Channel, to J. Jacobson, Galveston. About $6,500.

Cal., San Diego—Refrigerating Equipment, etc.—Naval Pub. Wks. Office received only bid June 30, for refrigerating equipment and cold storage installation at marine brigade post, from York Constr. Co., 308 Boyd St., Los Angeles. Bid was not in conformity with plans and specifications as to type of machinery for refrigerator plant, but bidder offered to supply and install such equipment as it now has on hand for $34,500 (180 days). Noted June 17.

★**Cal., San Francisco**—Removing Rock—U. S. Engr. Office, War Dept., Wash., D. C., let contract removing rock in Suisun Channel, to Amer.-Dredging Co., 255 California St. About $5,400.

Miscellaneous

PROPOSED WORK

Entrance—New York, N. Y.—Transit Constr. Com., 49 Lafayette St., rejected bids received May 20, building new entrance at 168th St. Sta. of Manhattan-Bronx Rapid Transit R. R. Work will be readvertised Noted May 27.

Park Development—Baltimore, Md.—City having plans prepared for development of 9½ acres adjoining Meters Park, Spring Gardens, into municipal water front park. Work includes filling, grading, top soiling, building macadam roads, also gravel and cement walks. About $40,000. H. G. Perring, City Hall, engr.

Transmission Line—Smithville, Tenn.—Corporation of Smithville voted $30,000 bonds to build transmission line from here to Great Falls Power Co., Rock Island.

Dam—Port Wing, Wis.—See "Industrial Works."

Electric Light and Power Systems—Argyle, Minn.—City plans to build electric light and power system, also 45 mi. high power line from here to Crookston. About $30,000.

Water Meter System, etc.—Halifax, N. S.—City Council voted $70,000 to install water meter system and new pumping station.

Electric Light and Fire Alarm Systems—Westmount, Que.—See "Streets & Roads"

Water Power Development—Kenora, Ont. Lake of the Wood Pulp Mill Co. plans to develop water power, here. About $1,000,000.

Dam—London, Ont. — Utilities Comrs. having plans prepared by E. V. Buchanan, gen. mgr., Hydro Bldg., and opens bids in August for power dam at Springbank. About $300,000, including equipment.

Subways—London, Ont.—City and Grand Trunk Ry., McGill St., Montreal, Que. soon receives bids building subways at Edgerton and Rectory Sts. crossings. About $150,-000. H. Brazier, city engr., F. L. C. Bond, ch. engr. Grand Trunk Ry

Breakwater and Widening Harbor—Pt. Stanley, Ont.—City Council having plans prepared by A. Lamb, engr., Toronto, and soon receives bids building 500 ft. breakwater and widening harbor from 80 to 175 ft. About $105,000.

BIDS DESIRED

Well Drilling Rig—Buffalo, N. Y.—F. Schreiner, 22 Pearl St., receiving bids for well drilling rig, steam preferred.

Bathhouse — Harrisburg, Pa. — E. Z. Gross, park comr., receiving bids building 35 x 160 ft. rein.-con. bathhouse, on island in Susquehanna River. About $60,000. Lawrie & Laffley, Harrisburg, archts.

Lake—Pittsburgh, Pa.—Until July 26, by city, improving and enlarging Lake Elizabeth, West Park, involving plain and rein.-con., excav., etc. About $35,000. N. S. Sprague, city engr.

Trucks — Scranton, Pa. — City receiving bids for 3 heavy motor trucks for street work. W. P. Heuster, clk.

Machines — Wilkes-Barre, Pa. — I. Saba Cone Co., Airy St., receiving bids on 3 automatic concrete block machines.

Equipment—Detroit, Mich.—Until July 26, by G. J. Finn, comr. Purch. & Supplies, furnishing three 5 kva, one 7½ kva., three 10 kva., two 50 kva. and one 75 kva. single phase, oil immersed self cooling pole type transformers and miscellaneous electric lighting equipment.

Motor-Driven Pump, Oil Switches, Air Compressor, etc.—Florence, Wis.—Until Aug. 15, by C. R. Johnson, comr. Waterworks Impvts., furnishing 3 centrifugal motor driven pumps, 100-500 gal. per minute capacity, 2 operating panels equipped with automatic controllers, meter and oil switches, 1 electric siren and 1 small air compressor. W. G. Kirchoffer, 31 Vroman Blk., Madison, engr.

Paving Materials—St. Paul, Minn.—Until July 26, by H. W. Austin, city purch agt., furnishing material for paving 3,000 lin.ft. Fairfield Ave. from Robert to State Sts., involving 3,371 bbl. portland cement, 2,608 cu.yd. crushed rock for concrete base, 1,565 cu.yd. concrete sand, 282 tons asphalt cement, 1,141 cu.yd. fine asphaltic sand, 295 ton limestone dust, 488 cu.yd. binder stone, 135 tons trap rock; State St. from St. Lawrence to Utah Sts., 803 bbl. portland cement, 594 cu.yd. crushed rock for concrete base, 357 cu.yd. concrete sand, 64 ton asphalt, 64 ton limestone dust, 171 cu.yd. binder stone, etc.

Road Grading Outfit—Hutchinson, Kan.—P. C. Buskirk receiving bids for road grading outfit and 10 ton road roller.

Diesel Engine, Centrifugal Pump — San Benito, Tex.—Until July 29, by Cameron Co. Water Impvt. Dist. 2, furnishing 1 Diesel or semi-Diesel engine and 1 centrifugal pump of sufficient capacity to deliver 100,-000 gal. water per minute, discharging against variable head up to 20 ft. average actual lift about 16 ft. (2 units with combined capacity of 100,000 gal. per minute will be considered). F. S. Robertson, mgr.

Storage Tank — La Tuque, Que. — Brown Corp. Ltd. receiving bids for steel storage tank, 25-30 ft. long, 12-15 ft. diameter.

Crib—Ottawa, Ont.—Until Aug. 5, by Dept. Pub. Wks., building 400 ft. closed face constructed crib, fully ballasted, 20-30 ft. wide, also 53.5 ft. crib fully ballasted, 8 ft. wide, at Anse aux Gascons, Que. Work involves 1,000 cu.yd. earth excav. and fill. About $36,000. E. Lafleur, Ottawa, engr. Noted April 15.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Gate Valves — Boston, Mass — City received bids July 8, furnishing twenty 16 in. gate valves, from Kennedy Valve Co., 47 India St., $9,532; Coffin Valve Co., Nonset, $16,900. Noted July 1.

Granite Edgestone — Boston, Mass.—City received bids July 6, furnishing 30,000 lin. ft. granite edgestone, from Lombard Granite Corp., $1.90 per lin.ft. delivered at yard; H. G. Fletcher, $2.09; New England Granite Wks., $2.50.

★**Dam—Millers Falls, Mass**—Millers Falls Co. let contract repairing concrete dam recently damaged by water, to H. P. Cummings Constr. Co., Ware. About $25,000.

★**Tanks—South Boston** (Boston P. O.), **Mass.**—Amer. Sugar Refining Co., Bd Trade Bldg., Boston, let contract building 2 rein.-con. oil tanks, on Granite St., to C. R. Gow Constr. Co., 166 Devonshire St., Boston. About $30,000.

★**Heating and Sanitary Work—King's Park, N. Y.**—State Hospital Comn., Capitol, Albany, let contract for heating work at State Hospital, here, to W. B. Armstrong Co., 3 Fulton St., Albany, $124,000; sanitary work and service connections, to T. E. O'Brien, 6311 5th Ave., Brooklyn, $33,-000. Noted May 20.

★**Platforms, etc.—Phila., Pa.**—City Transit Dept., 1211 Chestnut St., let contract building station platforms on Front and Berk Sts., Kensington and Tioga Sts. and Torresdale Ave., also Frankford Ave. and Pratt St., to F. J. Boas, 201 North Broad St., $237,429 and $72,410 respectively; track floors, drains, footwalks, on Front St. from Callowhill to Arch Sts. and on Frankford St. from Dwyer to Bridge, to R. E. Lamb, 841 North 19th St., $168,335. Noted June 10.

Tracks—Phila., Pa.—City Transit Dept., 1211 Chestnut St., received only bid June 22, building tracks on Front St. from Arch to Callowhill Sts., and on Frankford St. from Harrison St. to Bridge, from Snare & Triest, Pennsylvania Bldg., $150,018. Noted June 10.

Cast Iron Pipe and Specials—Washington D. C.—Dist. Comrs. received bids July 15 furnishing (1) 3 in. pipe, (2) 8 in. pipe, (3) 20 in. pipe, (4) Class A Specials, (5) Class B Specials, from U. S. Cast Iron Pipe & Fdry Co., Phila., (1) $85.90, (2) $75.90, (3) $75.90, (4) $0.0825 lb., (5) $0.0925 lb., (20 to 110 days); R. D. Wood Co., 400 Chestnut St., Phila., (1) alternate 4 in., $92, (2) $82, (3) $87, (4) $160, (5) $160 (45 working days); Glamorgan Pipe & Fdry. Co., 98 Adams St., Lynchburg Va., (1) $85.40, (2) $75.40, (3) $75.40, Specials, $145 base price. (45 days.)

★**Subway—Cincinnati, O.**—City let contract building 3rd section of Rapid Transit Loop involving excavation of old canal bed to Hickey Bros., Furnace and Mound Sts., Columbus, $556,905.

★**Paving Materials—St. Paul, Minn.**—City let following contracts for Lincoln Ave. paving project: 9,342 cu.yd. crushed rock for concrete base to St. Paul Crushed Stone Co., Stewart and Victoria Aves., $2.70 per cu.yd., and J. L. Shiely Co., 7th and St. Peter Sts., $2.60; 5,600 cu.yd. concrete sand, $1; 4,390 cu.yd. crushed stone or gravel for curb, $3; 576 cu.yd. screened stand, $1.60; 3,800 cu.yd. fine asphaltic sand, $2.25; 1,138 cu.yd. coarse asphaltic sand, $1.75, to J. L. Shiely Co., 7th and St. Peter Sts., 2,420 cu.yd. binder stone to St. Paul Crushed Stone Co., Stewart and Victoria Aves., $2.70, 94,598 lb. pitch filler to Barrett Co., 1 19th Ave. S., $33.60 per ton, and 908 tons limestone dust to Minnesota Crushed Stone Co., 1500 N. E. Johnson, Minneapolis, $5.50 f.o.b.

★**Culverts—Troy, Kan.**—Doniphan Co. let contract building culverts on 6.1 mi. Pikes Peak Highway, Federal Aid Project 53, Sects. A, B and C, 18 ft. wide, to Hybskoman & Wiley, Seneca, $15,405.

★**Road Planer—Mott, N. D.**—Comrs. Hettinger Co. let contract for road planer, to Gilbert Mfg. Co., Aberdeen, S. D., $1,350.

.....excav and dredging.....

★**Fill, etc.—Reed Springs, Mo.** — Missouri Pacific R.R., Exch. Bldg., St. Louis, let contract for 800,000 cu.yd. of fill and building, 2,000 cu.yd. rein.-con. culverts on White River Div., here and in Cricket, Ark., to L. J. Smith Constr. Co., 1015 Commerce St., Kansas City. About $450,000.

OFFICIAL PROPOSALS

Bids: July 27.

New County Jail

Toms River, N. J.

The Board of Chosen Freeholders of the County of Ocean, in the State of New Jersey, will receive on Tuesday, July 27, 1920, at 12 o'clock noon, at the Freeholders' Room in the Court House, Toms River, Ocean County, N. J., sealed proposals for the construction of a new county jail building complete with steel cell equipment Separate plans and specifications for the plumbing and gas fitting and all work kindred thereto and of the steam heating and ventilating apparatus and work kindred thereto and electrical work and for the steel cell equipment have been prepared and separate bids for each of said branches of work will be received. Bids will also be received for the general work of construction of said jail building excluding the steel cell equipment, plumbing and gas fitting, steam heating and ventilating apparatus and electrical work. Separate bids will also be received for the general construction of said building including steel cell equipment, but excluding plumbing and gas fitting, steam heating and ventilating and electrical work.

Each bid must be accompanied by a certified check of the bidder for 10% of the amount of the bid, payable to the County Treasurer as a guarantee that if his bid is accepted he will, within ten days from the date of said award, enter into a contract with the said Board of Chosen Freeholders, in accordance with said bid, and file a bond in the penal sum of an amount equal to the amount of said bid, with good and sufficient surety thereon, said surety to be approved by the said Board, conditioned for the faithful performance of said work in strict compliance with the plans and specifications for the same and to the entire satisfaction of the said Board.

The right is reserved to reject any or all bids.

Said proposals should be endorsed "Proposal for construction of new county jail," "Proposal for construction of new county jail including steel cell equipment," "Proposal for steel cell equipment in new county jail," "Proposal for electrical work," "Proposal for steam heating," "Proposal for plumbing and gas fitting," or as the case may be. All proposals should be addressed to the Board of Chosen Freeholders, Toms River, N. J.

Plans, specifications and complete data are on file at the office of Clarence W. Smith, Architect, Thompson Building, Lakewood, N. J., and open to the inspection of prospective bidders. A complete set of plans and specifications will be furnished by the said architect upon receiving a deposit of $10.00, which said amount will be refunded upon the return of the set in an undamaged condition.

WILLIAM H. SAVAGE,
Director of Board of
Chosen Freeholders,
DAVID O. PARKER,
Clerk.

Dated July 6, 1920.

Bids: Aug. 14.

Construction of Highway

FIRST ROAD DISTRICT OF THE THIRD POLICE JURY WARD

St. Landry Parish, La.

Sealed proposals will be received at the office of the Board of Supervisors, at Opelousas, Louisiana, up to 3 o'clock p.m., Saturday, August 14th, 1920, for constructing the Opeloousas-Arnaudville Highway from Cain's to Arnaudville, St. Landry Parish, La., 11.93 miles.

Information as to location, character of work, extent and class of material, estimated cost, terms of payment, regulations governing manner of submitting proposals and executing contract may, on application and deposit of $10.00, be obtained at the office of the Engineers

HOLLIER & DURIO, Engineers,
Room 6, Saizan Building,
Opelousas, La.

DR. A. C. DURIO, Chairman,
Arnaudville, La.
J. J. BENOIT, Secretary.
Arnaudville, La

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Official Proposals reaching our office in first mail Wednesday morning (9 o'clock) can usually be published in the issue out the next day. Special price for Official Proposals, 40 cents a line.

Bids: Aug. 17.

Barge Canal Terminals

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until 12 o'clock noon of Tuesday, August 17th, 1920, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT No. 71

For completing the Court Street approach to the Rochester terminal.

Contract plans, sheets 1-17, inclusive.

Plans may be seen and detailed specifications, engineer's estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

EDWARD S. WALSH,
Superintendent of Public Works.
July 16th, 1920.

Bids: July 29.

Concrete Bridge and Approaches

Herkimer, N. Y.

Sealed proposals will be received by the Town Boards of Fairfield and Herkimer and by the Town Clerk in the Municipal Building, Herkimer, N. Y., until 2 p.m., on the 29th day of July, 1920, for the construction of a reinforced concrete arch bridge over the West Canada Creek and crossing over the tracks of the Adirondack Division of the New York Central Railroad, with approaches and appurtenant structures, at Dempster's, 3 miles north of Herkimer, N. Y., at which time they will be opened and read.

The contract will be let in two parts but proposals must be made to cover the whole work.

Certified checks in the total sum of $5,000 must accompany each proposal.

Surety bond in the sum of 50% of the amount of the contract will be required.

Plans and specifications may be seen at the office of the Town Clerk at Herkimer, N. Y., or copies may be had from the office of E. J. Doyle, Consulting Engineer, 95 State Street, Albany, N. Y., and from the office of G. A. Noren, Engineer of Grade Crossings, New York Central Railroad Company, Grand Central Terminal Building New York City, N. Y., upon the deposit of $20, which will be returned upon the return of the plans and specifications in good condition.

ELMER GAY,
Town Superintendent of Highways,
Town of Herkimer.
CHARLES RICHARDSON,
Town Superintendent of Highways,
Town of Fairfield.
E. J. BECKINGHAM,
Town Clerk of the Town of Herkimer.
B. J. RASBACH,
Town Clerk of the Town of Fairfield.
E. J. DOYLE,
Consulting Engineer.

Bids: July 30.

Concrete Paving

Gibbstown, N. J.

Bids will be received by the Township Clerk until 5.30 p.m., on Friday, July 30th, 1920, for the furnishing of all labor and material for 533 cubic yards of excavation and the laying of 1,893 square yards of reinforced concrete paving on Repauno Avenue in the Village of Gibbstown, N. J.

Plans and specifications may be seen on file at the Office of Township Engineer, J. Owen Carter, 48 Cooper Street, Woodbury, N. J., or with the undersigned.

ELI A. ALLEN,
Township Clerk,
Greenwich Township